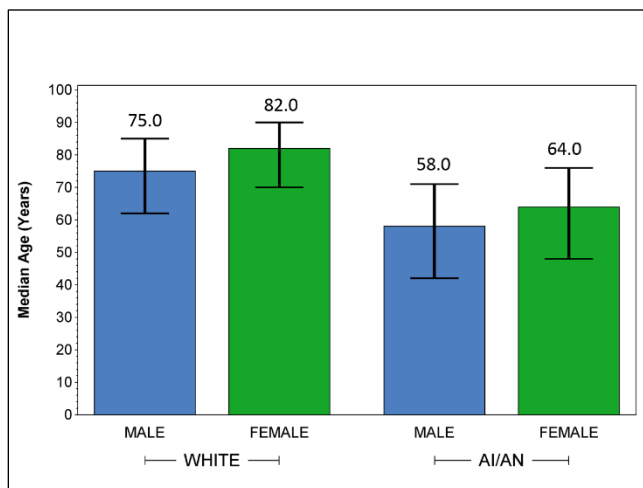


# 2015 Montana Vital Statistics

MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES  
PUBLIC HEALTH AND SAFETY DIVISION

Median Age at Death,  
25<sup>th</sup> and 75<sup>th</sup> Percentiles,  
Montana Residents, 2011-2015



Office of Epidemiology  
and Scientific Support

1400 E Broadway  
Helena, Montana 59620-2951

[http://dphhs.mt.gov/  
publichealth/epidemiology](http://dphhs.mt.gov/publichealth/epidemiology)

# MONTANA VITAL STATISTICS SYSTEM

“The Vital Statistics System builds and maintains a complete, uniform system of accurate vital information to satisfy the legal requirements of individuals and their families, provide timely and convenient access for research and statistical needs for planning at the local, state, and national levels, and ensure the security of the information guaranteed by law.”

The Montana Vital Statistics System:

- ✠ Maintains a permanent public record of each birth, death, and fetal death filed in Montana since 1907.
- ✠ Maintains statistical information and statewide indexes for each marriage and marital termination that has occurred in Montana since July 1943.
- ✠ Develops forms, standards, and guidelines for registration or reporting of all vital events occurring in the State of Montana.
- ✠ Directs and monitors the functions of 56 local registrars to assure statewide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.
- ✠ Provides certified copies of birth, death, and fetal death certificates and processes certificate corrections, adoptions, legitimations, and delayed birth certificates.
- ✠ Prepares and maintains computer files of State birth, death, fetal death, induced abortion, marriage, marital termination (divorce) data and monitors these files for data quality.
- ✠ Builds and continues cooperative relationships with federal, state, and local agencies--including the National Center for Health Statistics--that collect, maintain, and use vital records and health statistics.
- ✠ Provides statistical data, tabulations, and analyses in support of health policy development, status assessment, and service assurance.

## **PREPARED BY**

This report was prepared by the Vital Statistics Analysis staff of the Office of Epidemiology and Scientific Support, Public Health and Safety Division, Department of Public Health and Human Services.

Todd M. Koch, MPH  
Lead Vital Statistics Epidemiologist

Matthew Ringel, MPH  
Vital Statistics Epidemiologist

## **ACKNOWLEDGMENTS**

Karin Ferlicka  
State Registrar, Office of Vital Statistics

Kathy Thompson  
Data Acquisition Supervisor, Office of Vital Statistics

Numerous data providers around Montana and the nation, who keep us informed of changes in the vital status of Montanans.

## TABLE OF CONTENTS

Contents	Page
List of Figures	iii
List of Tables	vi
Introduction	1
<i>Vital Registration and Data Collection</i>	1
Technical Overview	3
<i>Data Sources and Limitations</i>	3
<i>Data Tabulations and Presentation</i>	6
<i>Definitions</i>	6
Natality	11
<i>Fertility</i>	11
<i>Low Birth Weight</i>	12
<i>Mother's Age, Race, and Marital Status</i>	12
<i>Unreported Pregnancy Outcomes</i>	12
Mortality	13
<i>Fetal, Infant, and Maternal Deaths</i>	14
<i>Crude, Age-Specific, and Age-Adjusted Death Rates</i>	15
<i>Age, Sex, and Race</i>	21
<i>Years of Potential Life Lost</i>	23
Induced Abortion	26
List of Reference Tables	27
2015 Vital Statistics Reference Tables	29



## LIST OF FIGURES

Figure	Contents	Page
Figure 1	Resident Birth Rates — Montana and the United States, 1979-2015	11
Figure 2	Fertility Rates for White Mothers — Montana Teens and Mothers of All Ages, 1995-2015	11
Figure 3	Fertility Rates for American Indian Mothers — Montana Teens and Mothers of All Ages, 1995-2015	11
Figure 4	Rate of Low Birth Weight Births – Montana Residents, 1978-2015	12
Figure 5	Percent of Births to Unmarried Mothers – Montana and United States Residents, 1995-2015	12
Figure 6	Resident Crude Death Rates — Montana and the United States Residents, 1979-2015	13
Figure 7	Age-Adjusted Death Rates — Montana and United States Residents, 2006-2015	13
Figure 8	Median Age at Death, 25 <sup>th</sup> and 75 <sup>th</sup> Percentiles – Montana Residents, 2011-2015	13
Figure 9	Five-Year Infant Mortality Rates and Fetal Mortality Ratios — Montana Residents, 1966-2015	14
Figure 10	Age-Adjusted Death Rates for All Causes — Montana and U.S. Residents, 2006-2015	16
Figure 11	Age-Specific Death Rates for All Causes — Montana Residents, 2015	16
Figure 12	Age-Adjusted Death Rates for Diseases of Heart —Montana and U.S. Residents, 2006-2015	16
Figure 13	Age-Specific Death Rates for Diseases of Heart —Montana Residents, 2015	16
Figure 14	Age-Adjusted Death Rates for Malignant Neoplasm (Cancer)— Montana and U.S. Residents, 2006-2015	16
Figure 15	Age-Specific Death Rates for Malignant Neoplasm (Cancer) — Montana Residents, 2015	16
Figure 16	Age-Adjusted Death Rates for Cerebrovascular Diseases— Montana and U.S. Residents, 2006-2015	17
Figure 17	Age-Specific Death Rates for Cerebrovascular Diseases — Montana Residents, 2015	17

## LIST OF FIGURES

Figure	Contents	Page
Figure 18	Age-Adjusted Death Rates for Chronic Lower Respiratory Diseases — Montana and U.S. Residents, 2006-2015	17
Figure 19	Age-Specific Death Rates for Chronic Lower Respiratory Diseases — Montana Residents, 2015	17
Figure 20	Age-Adjusted Death Rates for Accidents (Unintentional Injuries) — Montana and U.S. Residents, 2006-2015	17
Figure 21	Age-Specific Death Rates for Accidents (Unintentional Injuries) — Montana Residents, 2015	17
Figure 22	Age-Adjusted Death Rates for Motor Vehicle Accidents — Montana and U.S. Residents, 2006-2015	18
Figure 23	Age-Specific Death Rates for Motor Vehicle Accidents — Montana Residents, 2015	18
Figure 24	Age-Adjusted Death Rates for Non-Motor-Vehicle Accidents — Montana and U.S. Residents, 2006-2015	18
Figure 25	Age-Specific Death Rates for Non-Motor-Vehicle Accidents — Montana Residents, 2015	18
Figure 26	Age-Adjusted Death Rates for Influenza and Pneumonia— Montana and U.S. Residents, 2006-2015	18
Figure 27	Age-Specific Death Rates for Influenza and Pneumonia— Montana Residents, 2015	18
Figure 28	Age-Adjusted Death Rates for Diabetes Mellitus — Montana and U.S. Residents, 2006-2015	19
Figure 29	Age-Specific Death Rates for Diabetes Mellitus — Montana Residents, 2015	19
Figure 30	Age-Adjusted Death Rates for Intentional Self-Harm (Suicide) — Montana and U.S. Residents, 2006-2015	19
Figure 31	Age-Specific Death Rates for Intentional Self-Harm (Suicide) — Montana Residents, 2015	19
Figure 32	Age-Adjusted Death Rates for Nephritis, Nephrotic Syndrome, and Nephrosis — Montana and U.S. Residents, 2006-2015	19

## LIST OF FIGURES

Figure	Contents	Page
Figure 33	Age-Specific Death Rates for Nephritis, Nephrotic Syndrome, and Nephrosis — Montana Residents, 2015	19
Figure 34	Age-Adjusted Death Rates for Alzheimer’s Disease — Montana and U.S. Residents, 2006-2015	20
Figure 35	Age-Specific Death Rates for Alzheimer’s Disease — Montana Residents, 2015	20
Figure 36	Age-Adjusted Death Rates for Chronic Liver Disease and Cirrhosis — Montana and U.S. Residents, 2006-2015	20
Figure 37	Age-Specific Death Rates for Chronic Liver Disease and Cirrhosis — Montana Residents, 2015	20
Figure 38	Age-Adjusted Death Rates for Assault (Homicide) — Montana and U.S. Residents, 2006-2015	20
Figure 39	Age-Specific Death Rates for Assault (Homicide) — Montana Residents, 2015	20
Figure 40	Frequency of Death By Cause of Death —Montana Residents, 2011-2015	23
Figure 41	Total Years of Potential Life Lost Before Age 75 By Cause of Death — Montana Residents, 2011-2015	24
Figure 42	Average Years of Potential Life Lost Before Age 75 By Cause of Death — Montana Residents, 2011-2015	24
Figure 43	Average Years of Potential Life Lost Before Age 75 By Cause of Death and Race – Montana Residents, 2011-2015	25
Figure 44	Total Years of Potential Life Lost Before Age 75 By Cause of Death and Race – Montana Residents, 2011-2015	25
Figure 45	Ratio of Induced Abortions to Live Births – Montana Occurrences, 1978-2015	26

## LIST OF TABLES

Table	Contents	Page
Table 1	Example of cause of death reporting.	4
Table 2	Frequency of Death by Selected Cause, Race, and Sex, Montana Residents, 2011-2015.	22
Table 3	Frequency of Death by Selected Leading Causes of Death and Age, Montana Residents, 2011-2015.	23



# INTRODUCTION

This report was prepared by the Montana Department of Public Health and Human Services (DPHHS), Office of Epidemiology and Scientific Support (OESS). OESS primarily uses data collected through the Montana Vital Statistics System. However, the following organizations also provided information: The Judicial Case Management System (JCMS) of the Montana District Court System provided marriage and divorce data. National mortality and natality data and population estimates are provided by the National Center for Health Statistics (NCHS). These provide context for interpretation of Montana vital events. This report provides a reference to some of the more frequently used Montana vital statistics. Because it is intended primarily for reference, analysis and interpretation of the data are limited. The 2015 Montana Vital Statistics Report, and several prior reports and additional tabulations, are available on the Montana Vital Statistics website:

<http://dphhs.mt.gov/publichealth/Epidemiology/OESS-VS#223953338-annual-report>

More detailed tabulations and analyses are available on request, as time, resources, and confidentiality permit. Requestors may be required to reimburse DPHHS for production costs. Requests should be directed to the Vital Statistics Epidemiologists listed on the OESS contact webpage:

<http://dphhs.mt.gov/publichealth/epidemiology/OESSContactUs>

A general discussion of the sources and limitations of the data used, as well as the findings, with descriptive figures, appears in roughly the first half of this report. Vital statistics reference tables for 2015 make up the last half of the report. Where space permits, data for one or more prior years are provided for comparison. A “List of Reference Tables” at roughly the halfway point in the report describes each of the reference tables by its contents and location, with a beginning letter describing the subject area for each type of table followed by a number. The naming scheme for these tables is described below.

Beginning Letter	Contents of Reference Table
S	selected (mixed record type) statistics
P	population statistics

B	live birth statistics
D	death statistics
F	fetal death statistics
A	induced abortions

Records collected by the Office of Vital Statistics (OVS) provide the majority of data for these statistics and tabulations. These records include certificates of birth, death, and fetal death, as well as transcripts of marriage, marital termination and invalid marriage (divorce and annulment), and legally induced abortions. Any other source of data is cited in the text or table where the data are used.

## ***Vital Registration and Data Collection***

Registration of births, deaths, fetal deaths, marriages, and divorces is a legal requirement ([MCA 50-15-108](#), [MCA 50-15-221](#), and [MCA 50-15-403](#)) that results in permanent legal documents. Birth certificates must be filed with the local registrar within ten days of the event. The attending physician, midwife, or parent must file the certificate in the county in which the birth occurred. Funeral directors or others in charge of disposition of the body are responsible for filing death or fetal death certificates. The certificates must be filed with DPHHS or the county’s local registrar no later than ten days after the date of death or, if the date is unknown, ten days after the death is discovered. Most births and deaths occurring in Montana are registered electronically. A fetal death certificate must be filed when the fetus weighed 350 grams or more or, if the weight was unknown, when the period of gestation was determined to be 20 completed weeks or more. Marriage and marital termination are reportable events. Before the tenth day of each month, the clerk of district court must report all marriages that have occurred, been dissolved, or been invalidated in the county during the preceding month. The Abortion Control Act ([MCA 50-20-110](#)) makes any induced abortion occurring in Montana a reportable event. Facilities performing induced abortions are responsible for reporting to DPHHS within 30 days of the event.

Original copies of fetal death certificates, reports of induced abortion, marriage, and marital termination, and those few birth and death certificates that are not filed electronically, are forwarded to OVS, which supplies electronic copies of these events to OESS for surveillance and further analysis. All birth, death and fetal death

certificates for events occurring in Montana are permanently filed with and maintained by OVS.

With the exception of reports of marital termination, which since October 1998 have been collected and edited by the Montana justice system and forwarded electronically to the OVS. OVS staff check all records and reports for accuracy and completeness and, when they are not acquired electronically, code them for data entry. Those data that are not received electronically are key-entered and records of all these events, regardless of how they are acquired, are maintained in the electronic files of Montana's Vital Statistics System.

The OVS designs vital certificate and report forms to meet all legal registration and reporting requirements and to provide statistical data to federal, state, and local government agencies, as well as many private organizations, modifying these forms as information requirements change. The following statistical data on these vital events are available in electronic files for analysis:

<b>NATALITY (birth records, 1989 to current data year)</b>
Date, hour, and place of birth.
Age, race, Hispanic origin, education, and state of birth of the parents, place of residence and marital status of the mother.
Pregnancy history, including number of prior pregnancies and their outcomes, date of last prior pregnancy, date of last normal menses and obstetric estimate of length of gestation, date at which prenatal care began and ended, and number of prenatal visits, medical risk factors of the mother during the pregnancy, tobacco and alcohol use during pregnancy, and the mother's weight gain.
Birth process (including whether the mother was transferred to another hospital), obstetric procedures, maternal risk factors for the pregnancy, method of delivery, and maternal morbidity.
Infant's sex, plurality, birth order, weight, and APGAR scores; abnormalities and congenital anomalies of the newborn, whether the infant was transferred to another hospital. Starting with data for 2008, the files also contain infections present and/or treated during the pregnancy, various characteristics of labor and delivery, maternal morbidity, payer for the birth, whether the mother

was participating in the WIC program, and whether the infant was being breastfed at discharge.
<b>MORTALITY (death records, 1989 to current data year)</b>
Date, hour, and place of death, decedent's age at death, sex, race, Hispanic origin, education, marital status, birthplace, and place of residence.
Underlying and multiple causes of death, whether an autopsy was performed and, if so, whether results were available when cause of death was determined, if death resulted from an external cause (accident, suicide, or homicide), the circumstances of the injury, including whether it was sustained at work. Industry and occupation of the decedent, tobacco use as a contributing cause, pregnancy at or near the time of death, and membership in the armed forces. These last five items are available for data years 2003 and forward only.

<b>FETAL MORTALITY (1989 to current data year)</b>
Date, hour, and place of delivery.
Age, race, Hispanic origin, and education of parents, place of residence and marital status of the mother.
Cause of death, sex, weight, plurality, birth order, and any anomalies of the fetus.
Significant conditions of the mother, including number of prior pregnancies, date and result of last prior pregnancy, date of last normal menses, month in which prenatal care began, number of prenatal visits, maternal risk factors during the pregnancy--medical conditions, tobacco and alcohol use, and weight gain, clinical estimate of gestation, obstetric procedures, complications of labor and delivery, method of delivery. Starting with data for 2008, the files also contain infections present and/or treated during the pregnancy, and maternal morbidity.

INDUCED ABORTION (1989 to current data year)
Date, and place of procedure.
Age, race, Hispanic origin, education, marital status, birth date, and county of residence of patient.
Pregnancy history, including date of last normal menses, clinical estimate of gestation, and number and result of prior pregnancies.
Primary procedure that terminated pregnancy, additional procedures used, and resulting complications.



# TECHNICAL OVERVIEW

## *Data Sources and Limitations*

### **Delay in Reporting**

This report reflects vital records, reports, and transcripts for calendar year 2015 received before July 15 of the following year. The number of records received after this latter date is small, and since the use of this "cut off" date is fairly consistent from year to year, the effect of omitted data on trends and patterns is likely to be minimal and use of the "cut off" balances timeliness of reporting with completeness of reporting.

### **Geographic Allocation**

Table titles or footnotes indicate whether events are shown by place of residence or place of occurrence. For example, if a resident of Florida is killed in an accident in Montana, the death is counted as a Montana occurrence but not a Montana resident death; it is included in Florida's residence statistics. Births, deaths, and fetal deaths may be tabulated by either place of residence or occurrence. For births and fetal deaths, the place of residence of the newborn or fetus is the usual place of the mother's residence. For deaths, the place of residence is the usual place where the decedent resided. "Place" on a Vital Record is specific to the time of the event documented, and does not necessarily indicate the place of exposure to disease or injury.

Residence data for births, deaths, and fetal deaths occurring outside Montana are available because of a cooperative, interstate transcript-exchange agreement. All states and Canadian provinces participate in this agreement under the auspices of the National Association for Public Health Statistics and Information Systems (NAPHSIS). Interstate data on induced abortions are available for only a few states and tables in this report reflect only induced abortions provided in Montana, except those in **Table S-5**. The resident statistics in this table refer only to Montana residents who received abortions in Montana.

While we can identify most of the nonresidents marrying in Montana, we do not know how many Montana residents marry outside of the state, nor do we know of

residency changes associated with marital terminations. No exchange agreement is in effect for records of marriages or marital terminations. Tabulations of these events are thus only by Montana occurrence. Data on marital terminations are limited to Montana decrees involving at least one Montana resident and are tabulated as occurrences in the Montana county in which the decree was issued.

### **Cause of Death Certification**

The medical certification section of the Montana death certificate asks for information on the cause and sequence of events leading to death. The certifier (certifying physician, physician's assistant, or coroner) completes this section of the death certificate. It consists of two major parts, along with additional information. Part I is used for reporting the conditions leading directly to death and, for each, the interval between onset of the condition and death. Part II is for reporting any important diseases or conditions that contributed to the fatal outcome, but that were not related to the immediate cause of death (**Table 1**).

The certifier is also asked to classify the manner of death (natural, homicide, suicide, or accident), whether tobacco use contributed to the death and, if the decedent was female, whether the decedent was pregnant within the preceding year.

In the case of a traumatic death (homicide, suicide, accident, or legal intervention), the certifier, a coroner in this case, is also asked to complete a description of the traumatic event that led to the death, as well as date and location. If the event was a traffic accident, the decedent is to be identified as a driver, passenger, pedestrian, or other.

If the coroner cannot decide among these options within the allotted ten days, he or she has the option of filing "pending investigation" and later amending the certificate. If the investigation does not point to one of the three options, the record can be filed "could not be determined."

**Table 1. Example of cause of death reporting.**

Part I. Death was caused by:		Duration
Immediate cause:	Due to (a) postoperative bronchial pneumonia	3 days
	Due to (b) lobectomy	1 week
	Due to (c) primary cancer of lung	1 year
Part II. Other significant conditions		
Hypertensive cardiovascular disease		

The causes of death in this report represent the underlying causes derived from the information provided on Parts I and II and, if the death results from a traumatic event, the additional information discussed above. In the above example, the underlying cause would be lung cancer. Each condition or cause reported on death certificates is classified according to the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, World Health Organization, Geneva, 1992 (ICD-10). The nosologist, the person responsible for coding cause of death information, develops an underlying cause using ICD-10 codes and coding procedures developed for nationwide use by NCHS of the Centers for Disease Control and Prevention (CDC), Public Health Services, U.S. Department of Health and Human Services. The ICD-10 code for the death in the illustration above would be C34.9, "malignant neoplasm of bronchus or lung, area or lobe unspecified."

In accordance with the rules of nosology and ICD-10, when the underlying cause is a traumatic injury, poisoning, or other adverse effects, this report shows tabulations of deaths according to the nature of the event that led to fatal injury, poisoning, or adverse effect rather than the nature of the event's consequences.

Whenever possible, deaths are classified by the underlying cause reported. Exceptions occur when the underlying cause is not apparent from the certificate and clarification is not available. In these rare instances, the probable underlying cause is determined using a system of rules developed by NCHS.

### Marriage and Marital Termination

Data on national marriage and marital termination statistics are limited by differences in data collection and

data availability at or below the state level. Marriage, marital termination, and residency and other requirements are defined by the laws of each state. The minimum age for marriage, marriage license requirements, residency requirements for marital termination, acceptable grounds for such termination, and minimum period between marriage and marital termination vary from state to state. These differences can affect the comparability of data in interstate analysis.

Data aggregation is also affected by how data are collected and reported. For most states, including Montana, frequency of marriage is based on marriages performed. For some states, data represent licenses issued.

### Population Estimates

All rates per 1,000 or per 100,000 population in this report are based on population data provided by the U.S. Census Bureau or NCHS. In recent years, OESS has relied on a special series of annual population estimates—U.S. Census Population Estimates with Bridged Race Categories—produced by NCHS, in collaboration with the National Cancer Institute and the Census Bureau (**Table P-1**). These estimates are stratified by age, race, sex, and county and are used in this report to derive statewide fertility rates, abortion rates, and age-specific and age-adjusted mortality rates. OESS uses the latest available updates of these population estimates for such calculations. Further explanation can be found at the following web site: [http://www.cdc.gov/nchs/nvss/bridged\\_race.htm](http://www.cdc.gov/nchs/nvss/bridged_race.htm).

### Race

Tabulation of vital events by race is imprecise for several reasons. First, it is difficult to identify a single or predominant race when persons are of mixed race or

ancestry, as is the case for many U.S. citizens. A second difficulty with tabulations by race is that the category assignment is based on the opinion of the informant. As such, it may not reflect the same definitions of racial groups from one record to the next.

There are two other areas where racial classifications may lack precision—the "Hispanic" ancestry designation and the grouping of responses into an "Other" category. Hispanic ancestry is reported separately from race. Thus, it may apply to any racial category including "White" and "American Indian." The proportion of persons in Montana reported as being of Hispanic ancestry is so small however (a little less than three percent), that creating racial categories based on combined racial and Hispanic classifications for Montana is unlikely to yield any useful information.

The "Other" category is made up of all individuals not classified in the identified group(s) shown in any particular table. Those for whom race is not reported are therefore included in the "Other" category in all reference tables. According to the 2010 Census, about nine out of ten Montanans (89.4%) considered themselves to be white alone (i.e., indicating no other racial classification). About 6.3% considered themselves American Indian or Alaska Native (AI/AN) alone. Another 2.5% of the population considered themselves to be of two or more races. The remainder considered themselves to be of one of the remaining races—black (0.4%), Asian (0.6%), Native Hawaiian or Pacific Islander (0.1%), or some other race (0.6%)—alone. Thus, classifying persons of unknown race as "Other" may introduce an unknown, but probably slight, bias into statistics calculated from the data in these tables.

Prior to 2003, only one race value for each person was recorded on all vital event records. The recording of multiple races began with Montana death records in 2003, induced abortion and marriage records in 2007, and birth and fetal death records in 2008. Divorce records still contain only single-race items. For all but divorce records, informants are asked whether the decedent belongs to one or more of 14 specific racial groups or some other unspecified race. Informants are encouraged to "check one or more races" to indicate to what racial group persons named on the certificate belong or belonged. They are also encouraged to identify ethnic groups or tribal affiliations that apply. OEES examines each record received for the certificant's

national heritage, including affiliation with a known American Indian tribe, and classifies records accordingly.

For all records other than divorce records, racial classifications shown in this report are based on a "bridged race" category, in which four racial groups—white, black, American Indian or Alaska native (AI/AN), and Asian and Pacific islander—are reported. Records for which only a single race is reported are assigned a bridged category according to the race provided. NCHS "bridges" those records for which two or more races are reported; a representative race is assigned using a probabilistic model described at this web site: [http://www.cdc.gov/nchs/data/dvs/multiple\\_race\\_doc\\_u\\_5-10-04.pdf](http://www.cdc.gov/nchs/data/dvs/multiple_race_doc_u_5-10-04.pdf). Bridged race categories are intended for use in the calculation of population-based rates, along with the bridged population estimates mentioned above. For births and fetal deaths, the race of the infant or fetus is defined as the race of the mother.

### Marital Status

The mother's marital status is designated "Married" on the birth record if the mother is reported on the certificate as married "at birth, conception, or any time in between". The mother is designated "Married" on the fetal death certificate if the mother was married "at delivery, conception, or any time in between".

Marital status categories on death records are "Never married," "Married," "Married but Separated," "Widowed," "Divorced," or "Unknown," as described by the informant. Categories of marital status on the abortion report are the same, except that two categories are combined into the single category "Married or Separated." The "Divorced" designation on such records includes both marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments).

### Limitations of Small Numbers

Rates or trends based on small numbers, perhaps less than 100, must be interpreted with caution. For this reason, small frequencies are often withheld in this report. Similarly, percentages or population-based rates calculated from small totals can also be misleading. For this reason, rates and percentages calculated from fewer than 20 events are not shown. In order to prevent identification of individuals and their protected health information, this report suppresses counts of smaller than five in a table cell.

Tabulating occurrences of an event over a period of several years may reduce the impact of chance variability in calculated rates or percentages. An example is the five-year infant mortality rate in **Table D-7**. We have limited the use of multi-year rates in this report because such rates can conceal changes in trends that take place during the multi-year period.

## **Data Tabulation and Presentation**

### **Geographic Tabulation**

Birth, death, fetal death, and induced abortion data are tabulated for Montana residents by place of residence and for all vital events occurring in Montana by place of occurrence. Births, deaths, and fetal deaths that occurred out-of-state to Montana residents are included under resident statistics. Resident statistics on induced abortions include only in-state occurrences (i.e. abortion procedures performed on Montana residents in Montana). All occurrence statistics include events that occurred in Montana to residents of other states. All marriage and divorce statistics in this report are Montana occurrences.

### **Use of Rates and Ratios**

It is sometimes useful to adjust a rate or ratio for factors in the population that may affect the measurement. For instance, mortality rates, expressed as numbers of deaths per 1,000 or 100,000 resident population, can be adjusted to account for the effects of demographic factors that might affect mortality, such as race or age composition of the population. Wherever such adjustments have been made in this report, we indicate this in the title of the table or graph.

While many graphs are adjusted for age or sex, most reference tables in this report present rates and ratios that have not been adjusted to account for such factors. In such "crude" rates, the denominator is the estimated state or county population, divided by 1,000 or 100,000, and the numerator is the number of events, not weighted by any factor. Examples and further explanations of both crude and age-adjusted rates are given in the DEFINITIONS section.

## **Definitions**

This section provides definitions of selected demographic, statistical, and medical terms as they are used in this publication. The terms are listed in alphabetical order. Terms discussed elsewhere in the Technical Overview Section, such as cause of death, race, marital status, and population estimates, are not included.

**Abortion** – the spontaneous or induced termination of a pregnancy, without live birth. The number of spontaneous abortions is not reported to the Department of Public Health and Human Services. This report focuses on induced abortions performed in Montana, which Montana law requires to be reported.

**Abortion Ratio** – the number of induced abortions reported, divided by the number of live births. It is calculated as follows:

$$\text{Abortion ratio} = \frac{\text{Number of induced abortions}}{\text{Number of live births}} \times 1,000$$

**Age** – the calculated age, usually in years, of the person(s) involved in a vital or reportable event. In this report, age was calculated based on reported date of birth and date of the event. Age in days was calculated from the reported dates, divided by 365.25, and truncated to yield age in years. Where the record of the month or day of birth were incomplete or invalid, the month was assumed to be June and the day the 15<sup>th</sup> of the month.

**Age-Adjusted Death Rate** – an index number that represents the death rate that would occur if the observed age-specific death rates were present in a population with a proportional age distribution identical to that of a hypothetical standard population. It is derived from several observed age-specific death rates and used to compare relative mortality risks from one population to another (including comparisons of the resident populations of a single geographic region at different times). Statistically, it is a weighted average of the age-specific rates, with the weights representing the

proportionate distribution of age in the hypothetical population. (See the definition of Age-Specific Death Rate below and the “Crude, Age-Specific, and Age-Adjusted Death Rates” section in the Mortality chapter of this report for more discussion.) It is calculated in this report by the direct method, using the projected U.S. population for the year 2000 as the standard population, as follows:

$$\text{Age-adjusted death rate} = \sum_{i=1}^{11} S_i w_i$$

where  $w_i$  = the weight of the  $i^{\text{th}}$  age group in the standard population

where  $S_i$  = the age-specific death rate for the  $i^{\text{th}}$  age group

**Age-Specific Death Rate** – the proportion of deaths in a specific age group, expressed as a number per thousand persons in that age group. It is calculated as follows:

$$\text{Age-Specific Death Rate} = \frac{\text{Number of Deaths in the age group}}{\text{Mid-year Population of the age group}} \times 100,000$$

**Apgar Score** – an evaluation of a newborn infant’s physical status that assigns numerical values (0-2) to each of five criteria: 1) heart rate, 2) respiratory effort, 3) muscle tone, 4) response stimulation, and 5) skin color. A score of ten indicates the best condition.

**At-Risk Population** – all of the persons to whom a given event could occur. The at-risk population is the denominator in a rate calculation. (See the use of “at risk” in the definition of Fertility Rate).

**Birth Rate** – the proportion of resident live births in the total population (both sexes of newborn, all ages of mother), expressed as a number per thousand persons (both males and females) in that resident population. Unless otherwise stated, the birth rate in this report is the annual crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$\text{Crude birth rate} = \frac{\text{Number of live births}}{\text{Midyear population}} \times 1,000$$

**Death Rate** – the proportion of resident deaths in the total population, expressed as a number per thousand population. Unless otherwise stated, the

death rate in this report is the annual crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$\text{Crude death rate} = \frac{\text{Number of deaths}}{\text{Midyear population}} \times 1,000$$

**Direct Obstetric Death** – a death resulting from obstetric complications of the pregnant state (pregnancy, labor, and puerperium), interventions, omissions, incorrect treatment, or from a chain of events resulting from any of the above.

**Extremely Low Birth Weight** – the birth weight of an infant of less than 1,000 grams (about 2 pounds 3 ounces).

**Fertility Rate** – the total number of resident live births as a proportion of the estimated female population “at risk” of child bearing, expressed as a number per thousand females in that population. The population at risk of experiencing a birth is all fertile females, approximated as all females in the main childbearing ages (15 to 44 years). It is calculated as follows:

$$\text{Fertility rate} = \frac{\text{Number of live births}}{\text{Midyear population of females aged 15–44}} \times 1,000$$

**Fetal Death** – the reported delivery of a fetus that shows no evidence of life after delivery—that is, no action of the heart, breathing, or movement of voluntary muscles. Montana law requires reporting of fetal death if the fetus weighed 350 grams or more or, if the weight is unknown, if the delivery took place after 20 weeks of completed gestation. There is no requirement in Montana law to report the delivery of a non-viable fetus not meeting these criteria.

**Fetal Mortality Ratio** – the number of fetal deaths as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Fetal mortality ratio} = \frac{\text{Number of fetal deaths}}{\text{Number of live births}} \times 1,000$$

**Frequency** – the number of occurrences of an event or observation; how often an event occurs.



**ICD** – the International Classification of Diseases code used to classify and report causes of death in vital statistics. This code is revised periodically. The current revision is called the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, and is published by the World Health Organization. In this report, the code is referred to as ICD-10. (For further details, see the “Cause of Death Certification” section in this report, above).

**Indirect Obstetric Death** – a death resulting from previous existing disease or disease that developed during pregnancy and which was not due to direct obstetric causes, but which was aggravated by physiologic effects of pregnancy.

**Induced Abortion** – a medical or surgical procedure intended to terminate a pregnancy without live birth. Such events are also called “induced termination of pregnancy” (ITOP) by NCHS and are the events commonly referred to as “abortions.” These events are distinct from fetal deaths and “spontaneous abortions,” or miscarriages.

**Infant** – a baby less than 365 days (one year) old.

**Infant Mortality Rate** – the number of infant deaths compared to the number of live births in that same period, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Infant mortality rate} = \frac{\text{Number of infant deaths}}{\text{Number of live births}} \times 1,000$$

**Invalid Marriage** – a marriage deemed to have not been legal; a declaration of invalid marriage was formerly called an annulment.

**Late Maternal Death** – the death of a woman from direct or indirect obstetric causes more than 42 days but less than one year after termination of pregnancy.

**Live Birth** – the birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

**Low Birth Weight** – the birth weight for a live-born infant of less than 2,500 grams (about 5 pounds, 8 ounces).

**Marital Dissolution** – legal termination of a valid marriage; a marital dissolution was formerly called a divorce.

**Marital Termination** – the sum of marital dissolutions terminations (sometimes called divorces) and invalid marriages (sometimes called annulments).

**Maternal Death** – the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes.

**Maternal Mortality Rate** – the total number of maternal deaths as a proportion of total live births, expressed as a number per hundred thousand live births. It is calculated as follows:

$$\text{Maternal mortality rate} = \frac{\text{Number of maternal deaths}}{\text{Number of live births}} \times 100,000$$

**Mean** – the arithmetic mean, obtained by dividing the sum of individual values or scores by the number of values or scores observed. For example, the mean age for six persons aged 9, 10, 12, 13, 13, and 16 is 73 divided by 6, or 12.2 years.

**Median** – the midpoint; for our purposes, given a set with an odd number of values, the median is the middle value when sorted in numerical order. For a set with an even number of values, the median is the mean of the two “middle” values. For the example set under the definition of Mean, the median age is 12.5 years.

**Mode** – the most frequently observed value in a set of values. For the example set under the definition of Mean, the modal age is 13.

**Natural Increase** – the excess of births over deaths among residents of an area.

**Neonatal Death** – a death occurring within the first 27 days of life.

**Neoplasm** – a new, abnormal, malignant, or benign growth of tissue that is uncontrolled and progressive. All neoplasms may also be called tumors. Malignant neoplasms are commonly called cancers.

**Out-Of-Wedlock Birth Ratio** – the number of births to unmarried women as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Out-of-wedlock birth ratio} = \frac{\text{Number of live out-of-wedlock births}}{\text{Number of live births}} \times 1,000$$

**Parity** – the parity of a current birth is the number of live children the woman has borne, including those born in the current delivery.

**Perinatal Death** – a death occurring near the time of birth. The number of perinatal deaths is the sum of registered fetal deaths and neonatal deaths.

**Perinatal Mortality Ratio** – the sum of fetal deaths and neonatal deaths as compared to the number of live births, expressed as a number per thousand live births in that population. It is calculated as follows:

$$\text{Perinatal mortality rate} = \frac{\text{Number of fetal deaths} + \text{neonatal deaths}}{\text{Number of live births}} \times 1,000$$

**Place Of Occurrence** – the location where an event took place, regardless of the usual residence of the person involved.

**Place Of Residence** – the usual residence of the person involved in an event, regardless of the event's place of occurrence. For births and fetal deaths, this is the mother's usual place of residence. For induced abortions, it is the usual place of residence of the patient. For deaths, it is the usual place of residence of the decedent.

**Plurality (of birth)** – the number of infants born during a particular delivery.

**Post-Neonatal Death** - during the first year of life, but after the first 27 days.

**Pregnancy-Related Death** – the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the cause of death. See definitions for the related concepts Maternal Death, Late Maternal Death, Direct Obstetric Death, Indirect Obstetric Death, and Pregnancy-Associated Death in this section.

**Pregnancy-Associated Death** – the death of a woman, from any cause, while she is pregnant or within one year of delivery or termination of the pregnancy, regardless of duration and site of the pregnancy.

**Premature Birth** – a live birth of less than 37 completed weeks of gestation.

**Puerperium** – the condition of a mother that immediately follows childbirth.

**Quartile** – a quarter (25%) of the distribution of a set of values. For example, the age at the first quartile for eight persons aged 9, 10, 11, 12, 13, 14, 15, and 16 is 10. The median value, which is also the second quartile, is 12.5, and the third quartile value is 14.

**Rate** – the frequency of an event in a population subject to that event, expressed as the frequency per unit--generally 1,000 or 100,000--of the at-risk or subject population. For example, the Montana resident fertility rate per 1,000 fertile females is the number of births to Montana resident women for every 1,000 women in the population.

**Ratio** – the comparison of two types of events occurring in a subject population, expressed as a frequency of occurrence per unit of one of the events. For instance, the fetal mortality ratio is the number of fetal deaths per 1,000 live births. The resident population in which both types of events occur, fertile women residing in Montana, is the same for both events, but the events are of different types and are unlikely to have happened to the same woman in a single year. Also, the total number of women is not part of the calculation; the denominator for the calculation is live births, one of the events.

**Standard Deviation** –a measure of how “spread out” a set of values is, on average, from its mean. A small standard deviation indicates that, on average, the values are tightly grouped around the mean while a large standard deviation indicates that, on average, the values are scattered widely. For the series of values presented for the definition of MEAN, the standard deviation is 2.27. For a set of N values, it is computed as follows:

$$\text{Standard deviation} = \sqrt{\frac{1}{N} \sum_{i=1}^N (x_i - \mu)^2}$$

*where  $\mu$  = the mean of the set of N values*  
*where  $x_i$  = the  $i^{\text{th}}$  value in the set of N values*

**Subject Population** – see At-Risk Population.

**Very Low Birth Weight** – the birth weight of an infant of less than 1,500 grams (about 3 pounds 5 ounces).

**Years of Potential Life Lost (YPLL)** – a measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age, 75 years in this report. Statistically, YPLL is the difference between a given age and the decedent’s age at death, summed for all decedents younger than the given age.



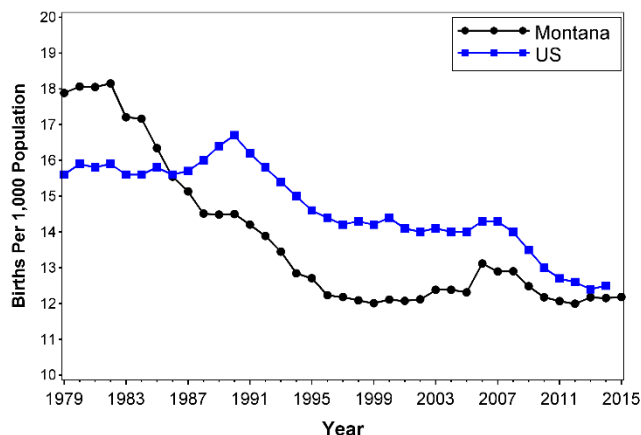
# NATALITY

There were 12,580 babies born to Montana residents in 2015. **Table S-1** shows the frequency and rate of births occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and those to all Montana residents (regardless of place of occurrence) in selected later years.

The Montana birth rate was in a long-term decline from the early 1980s to 1999. However, the rate of births to Montana residents leveled off and even began to increase slightly in the mid-2000s. The rate climbed to 13.1 per 1,000 residents in 2006, then declined in 2015 to a rate of 12.2 per 1,000 residents (**Figure 1**).

**Figure 1**

**Resident Birth Rates  
Montana and the United States, 1979-2015**



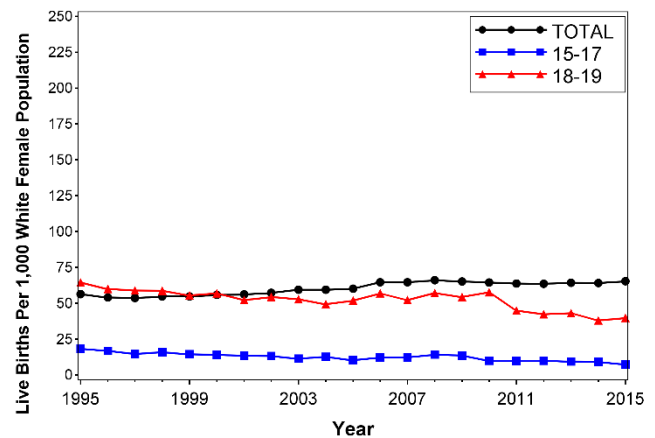
While the Montana birth rate exceeded the U.S. rate from the 1970s to the mid-1980s, it began to decline in the early 1980's and fell below the U.S. rate. Since that time, the Montana rate has been the lower of the two.

## Fertility

The fertility rate is sometimes considered more useful than the birth rate because it is computed for women of reproductive age rather than the total population. Fertility rates are higher for American Indian than for white women in Montana (**Figures 2 and 3**). The differences are especially notable for births to teens, age 15 to 17 and 18 and 19 years of age. Teen birth rates have been declining among American Indians.

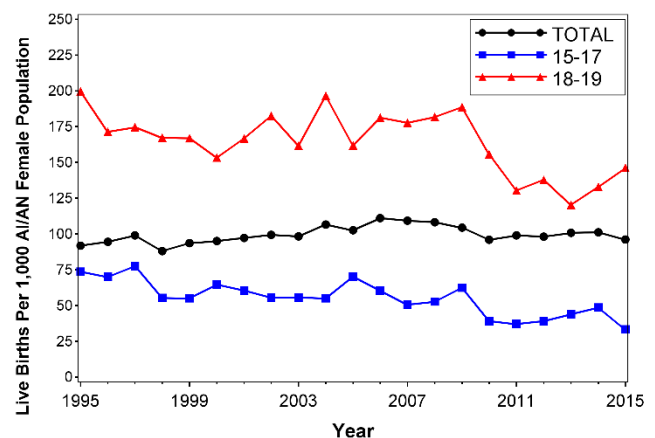
**Figure 2**

**Fertility Rates for White Mothers  
Montana Teens and Mothers of All Ages, 1995-2015**



**Figure 3**

**Fertility Rates for American Indian Mothers  
Montana Teens and Mothers of All Ages, 1995-2015**

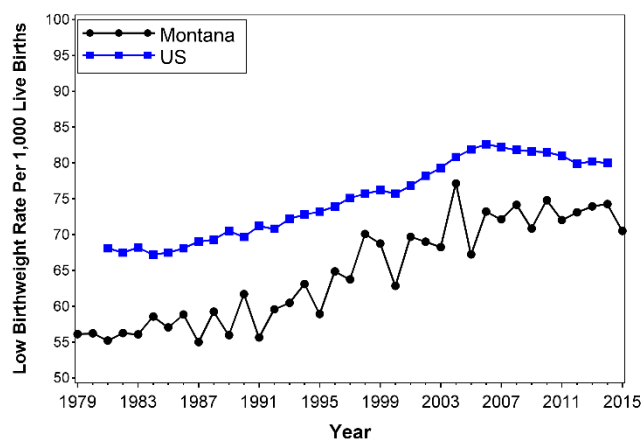


## Low Birth Weight

The rate of low birth weight (less than 2,500 grams or five pounds, eight ounces) in Montana is only slightly lower than the national rate (**Figure 4, Table B-3**). Low birth weight is one of the most important risk factors for infant death.

**Figure 4**

### Rate of Low Birth Weight Births Montana Residents, 1979-2015



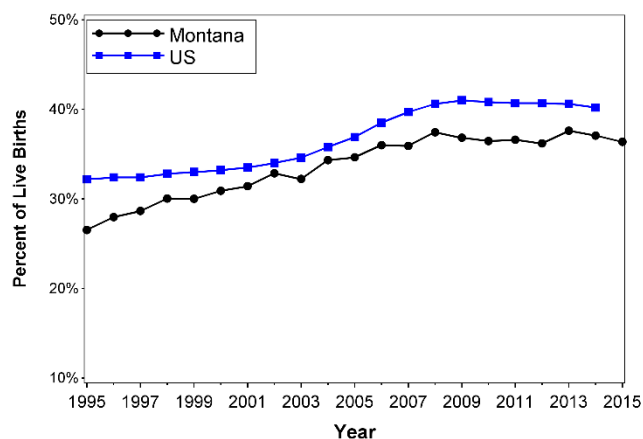
## Mother's Age, Race, and Marital Status

Of those Montanan mothers giving birth in 2015, slightly more than half (54.0%) were between 20 and 29 years of age (**Table S-5**). American Indian births comprised 11.8% of all births, and 86.6% births were to white mothers (**Table S-3**).

The proportion of unwed mothers has steadily increased over the past two decades (**Figure 5**). Births to unmarried mothers represented 23.7% of Montana's resident births in 1990 and 36.4% in 2015. By comparison, unmarried mothers in the U.S. accounted for 40.2% in 2014, the latest year for which a final national statistic is available. The proportion of Montana mothers who were unmarried has been below the U.S. proportion for the last four decades.

**Figure 5**

### Percent of Births to Unmarried Mothers Montana and United States Residents, 1995-2015



**Table S-4** shows the frequency of birth by marital status of the mother for each of Montana's counties in 2015.

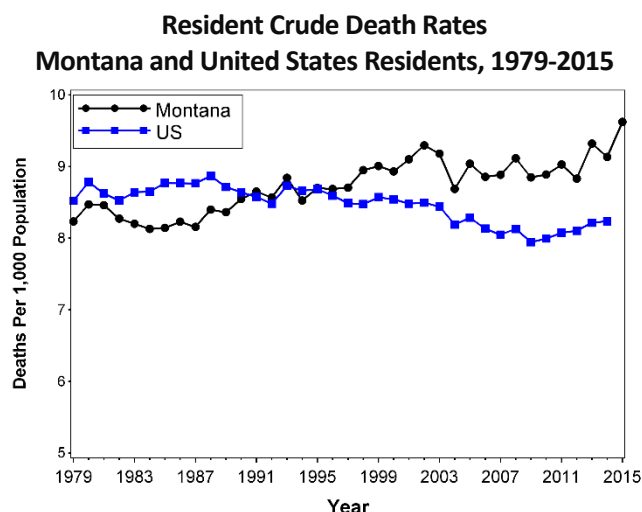
## Unreported Pregnancy Outcomes

**Table S-5** summarizes pregnancy outcomes reported to DPHHS for Montanans. Those outcomes are live births, fetal deaths where the weight of the fetus meets legal reporting criteria (weight of 350 grams or more or, if the weight is unknown, 20 or more weeks of completed gestation), and induced abortions provided within Montana's borders. It is important to bear in mind that unreported outcomes, miscarriages that do not meet reporting criteria and induced abortions performed on Montanans outside Montana, are unknown to us. These unreported events comprise an unknown portion of the pregnancies experienced by Montanans and this portion could vary substantially over time. Thus, the number of total pregnancies for Montanans is unknown and analysts should be cautious in any reference to total pregnancies.

# MORTALITY

Montana's crude death rate has risen slowly since 1979 (**Figure 6**). Conversely, the U.S. rate has been on a long-term decline since the late 1980's. In 2015 the Montana rate was 9.6 per 1,000 estimated midyear population. The discrepancy between Montana's crude death rate and the US rate is due to Montana's aging population relative to the young national population.

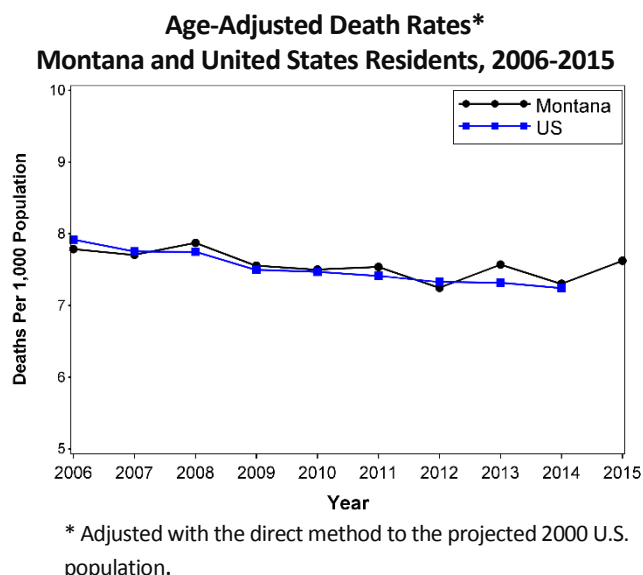
**Figure 6**



The death rate is closely related to the age structure of the resident population. It is therefore useful to adjust this rate for differences in the age distributions of populations when comparing death rates between those populations. (See the definition of "age adjusted death rate" in the Definitions section of this report for a description of the mathematics of age adjustment. Also, see the section on Age-Specific and Age-Adjusted Death Rates below for discussion of their proper use.) While the crude death rate represents the absolute risk of death in a single population at a particular time, the age-adjusted rate offers a better comparison of the relative risk of death between populations in different geographic areas at a single time or in the same geographic area at different times.

Montana's age-adjusted rate has been declining over the ten years profiled (**Figure 7**). The discrepancies between Montana's and the US age-adjusted mortality rate are much smaller than the discrepancies between the crude rates.

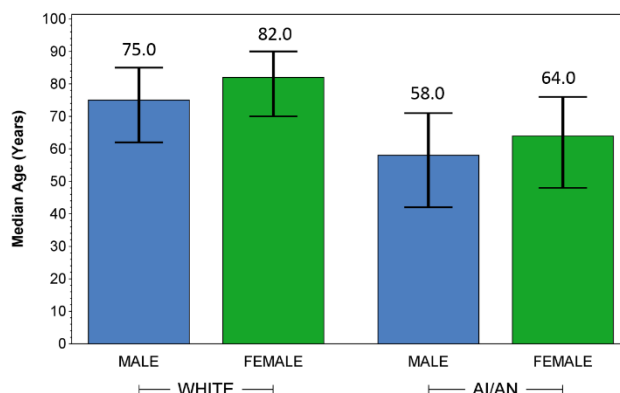
**Figure 7**



Montana's American Indian residents die at a younger age than white residents (**Figure 8**, Table D-9).

**Figure 8**

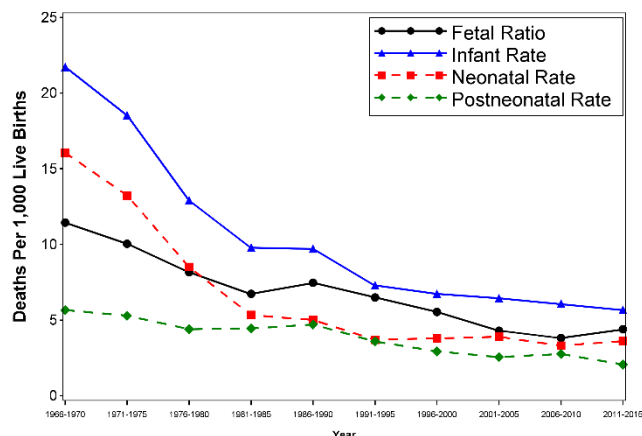
**Median Age at Death,  
25<sup>th</sup> and 75<sup>th</sup> Percentiles,  
Montana Residents, 2011-2015**



## Fetal, Infant, and Maternal Deaths

There was a substantial decline in the five-year infant death rate during the last half century (**Figure 9 and Table S-1**). The neonatal and post-neonatal death rates and the fetal death ratio also declined substantially in this period, albeit by different proportions.

**Figure 9**  
**Five-Year Infant Mortality Rates**  
**and Fetal Mortality Ratios**  
**Montana Residents, 1966-2015**



A little more than two-thirds of all infant deaths in 2015 were caused by sudden infant death syndrome (SIDS), certain conditions originating in the perinatal period, and congenital malformations, deformations, and chromosomal anomalies (**Table D-6**). This has been the usual proportion for these three causes in recent years.

**Table S-1** of the Vital Statistics reference tables shows the frequency and crude rate or ratio of all deaths and of fetal, infant, and maternal deaths at five-year intervals from 1910 to 1970 and yearly from 1971 through 2015. There were 45 resident fetal deaths and 62 resident infant deaths in Montana in 2015.

Frequencies of infant and fetal deaths by Montana county of occurrence and residence are shown in **Table S-2**. **Table S-3** shows the frequency of fetal deaths by the mother's race and year. Selected causes of death by age and sex for Montana resident infants are shown in **Table D-1** and in **Table D-6**. (For a complete listing of all 358 potential causes that could appear in **Table D-1**, as well as their ICD-10 codes, see the list at <http://dphhs.mt.gov/publichealth/Epidemiology/OESS-VS/OESS-VS-Annual-Report-Reference>. For a complete list of the 130 potential causes of infant death that could appear in **Table D-6**, see the list at <http://dphhs.mt.gov/publichealth/Epidemiology/OESS-VS/OESS-VS-Annual-Report-Reference>.)

**Table F-1** shows the frequency of fetal deaths (called stillbirths in some states) by the gestational age of the

fetus, and selected cause of death. (See the list of 124 causes of fetal death, shown at:

<http://dphhs.mt.gov/publichealth/Epidemiology/OESS-VS/OESS-VS-Annual-Report-Reference>, for a complete list of causes that could appear in **Table F-1**.) **Table S-3** shows the frequency of fetal, infant, and child deaths by race and year of death.

## ***Crude, Age-Specific, and Age-Adjusted Death Rates***

Most death rates presented in this report are crude rates, unadjusted for demographic factors such as age, sex, or race. Crude cause-specific rates express the frequency of mortality from a given underlying cause of death as a proportion of the resident population. They express the risk of dying from the specific cause of death. They are useful in making comparisons, within a single resident population, of the mortality risks associated with different causes. However, crude rates should not be used to compare Montana to other states or the nation, or Montana rates from one year to the next. Given the substantial differences in the age structure between the White and American Indian populations in Montana, crude rates should also not be used to compare white and American Indian rates.

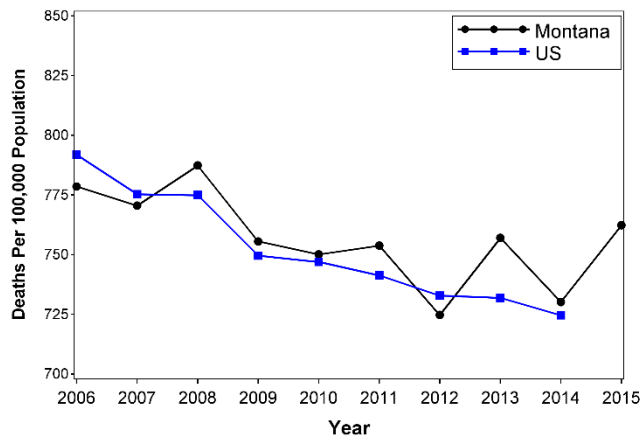
Age-adjusted death rates should be interpreted as index numbers rather than direct measures of mortality risk. They are useful for making comparisons between populations (where demographic variables such as the age composition of the population may differ), but not for making comparisons of the effects of different causes of death within any single population. They are designed to account for differences in the age compositions of resident populations in different years by applying observed age-specific mortality rates to a hypothetical population with an unchanging age composition. By standardizing in this way, age-adjusted death rates help address the issue of whether an increasing or decreasing death rate is due to an aging population or whether some other factors are involved.

**Figures 10 through 39**, display age-adjusted and age-specific death rates for several of the leading causes of death in Montana and the United States. (For a complete list of the causes that, according to a standard tabulation

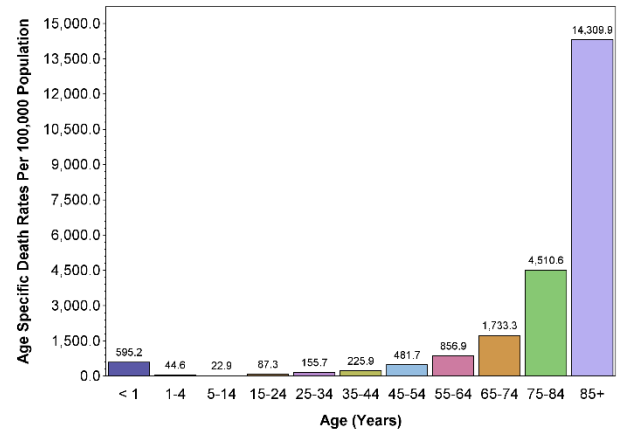
list of NCHS, could be considered one of the 113 leading causes of death, see the list at <http://dphhs.mt.gov/publichealth/Epidemiology/OESS-VS/OESS-VS-Annual-Report-Reference>.) The age-adjusted rates in this report are adjusted with the direct method to the projected U.S. population for the year 2000. As with any summary statistic, age-adjusted death rates mask much of the underlying complexity in the mortality experience of a population. Hence, eleven age-specific death rates, each of which contributes a small part to the (average) age-adjusted rate, are also shown for each cause of death displayed.

Because of the small number of deaths in certain age categories, many of the age-specific rates (e.g. those for chronic liver disease and cirrhosis, motor vehicle accidents, homicide, and suicide) may be statistically unstable and present somewhat unrepresentative patterns for a given year. However, for several causes of death, such rates present a clear pattern and add useful information about the burden of particular causes of death among the age groups. Age-specific rates for each cause of death represented here so the reader can judge their usefulness for him or herself.

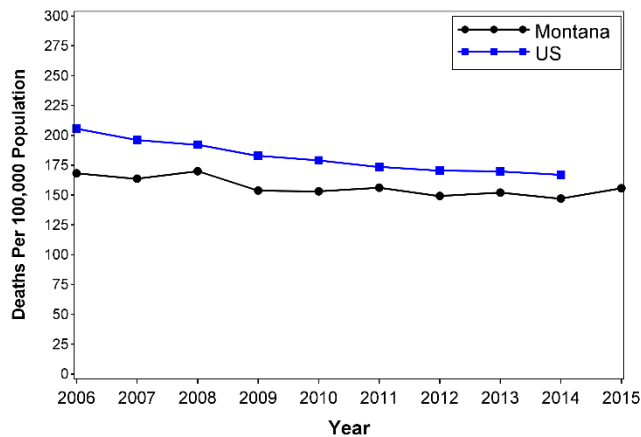
**Figure 10**  
**Age-Adjusted Death Rates for**  
**All Causes**  
**Montana and U.S. Residents, 2006-2015**



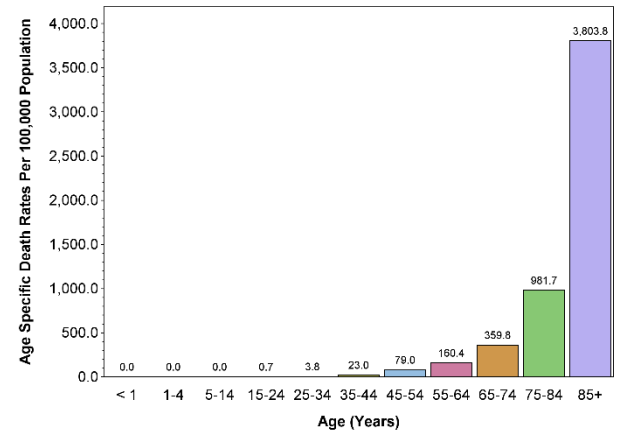
**Figure 11**  
**Age-Specific Death Rates for**  
**All Causes**  
**Montana Residents, 2015**



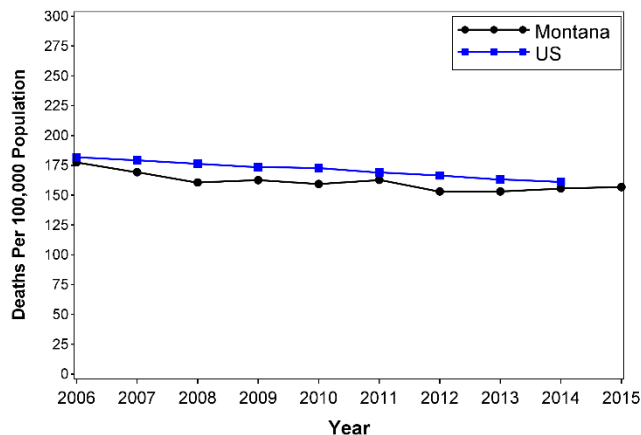
**Figure 12**  
**Age-Adjusted Death Rates for**  
**Diseases of Heart**  
**Montana and U.S. Residents, 2006-2015**



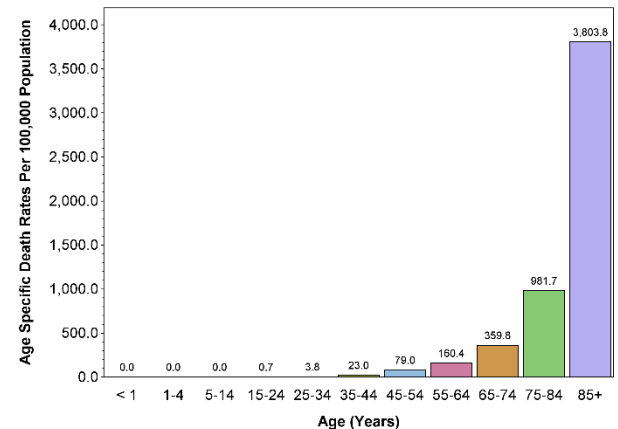
**Figure 13**  
**Age-Specific Death Rates for**  
**Diseases of Heart**  
**Montana Residents, 2015**



**Figure 14**  
**Age-Adjusted Death Rates for**  
**Malignant Neoplasms (Cancer)**  
**Montana and U.S. Residents, 2006-2015**

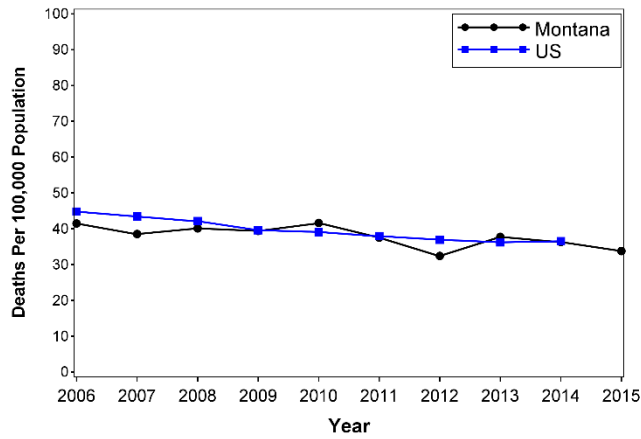


**Figure 15**  
**Age-Specific Death Rates for**  
**Malignant Neoplasms (Cancer)**  
**Montana Residents, 2015**



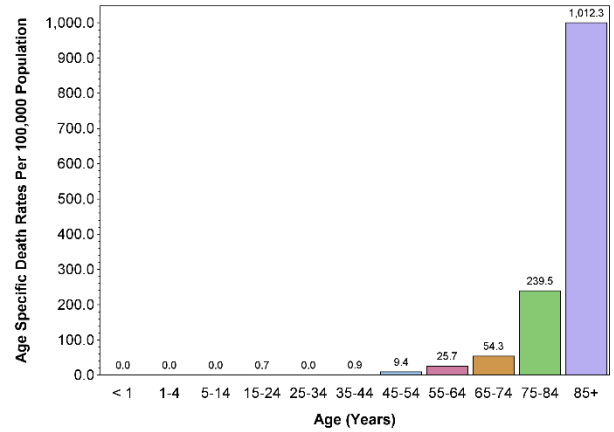
**Figure 16**

**Age-Adjusted Death Rates for  
Cerebrovascular Diseases  
Montana and U.S. Residents, 2006-2015**



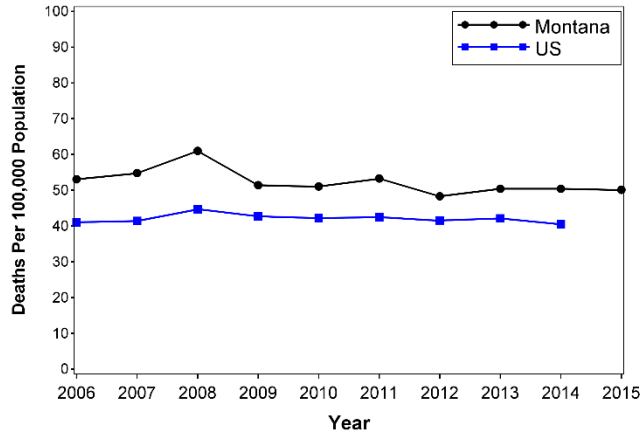
**Figure 17**

**Age-Specific Death Rates for  
Cerebrovascular Diseases  
Montana Residents, 2015**



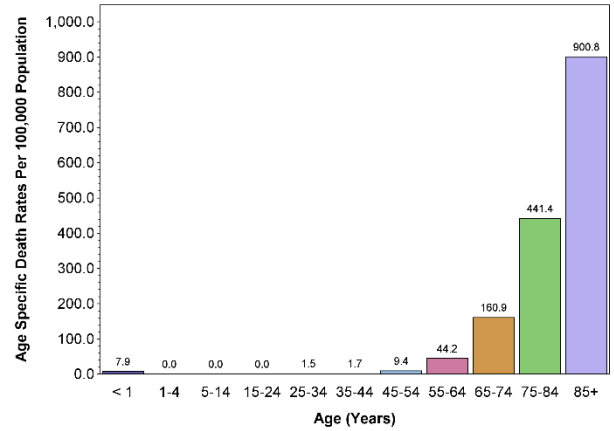
**Figure 18**

**Age-Adjusted Death Rates for  
Chronic Lower Respiratory Diseases  
Montana and U.S. Residents, 2006-2015**



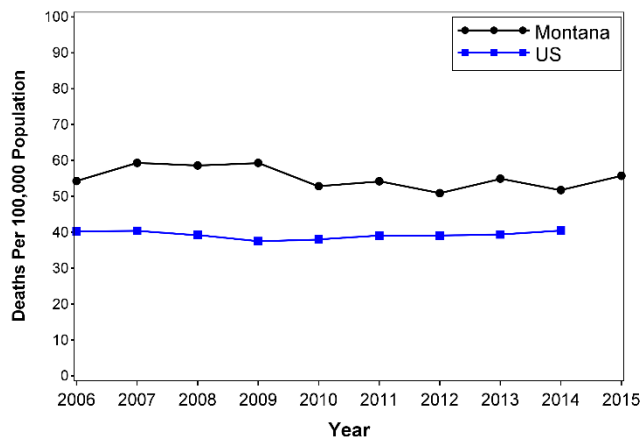
**Figure 19**

**Age-Specific Death Rates for  
Chronic Lower Respiratory Diseases  
Montana Residents, 2015**



**Figure 20**

**Age-Adjusted Death Rates for  
Accidents (Unintentional Injuries)  
Montana and U.S. Residents, 2006-2015**



**Figure 21**

**Age-Specific Death Rates for  
Accidents (Unintentional Injuries)  
Montana Residents, 2015**

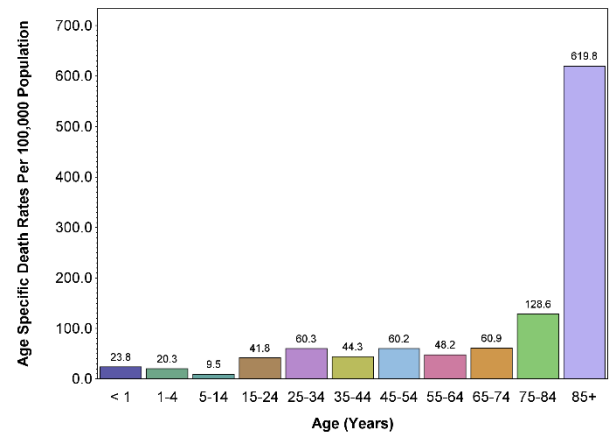


Figure 22

**Age-Adjusted Death Rates for  
Motor Vehicle Accidents  
Montana and the U.S. Residents, 2006-2015**

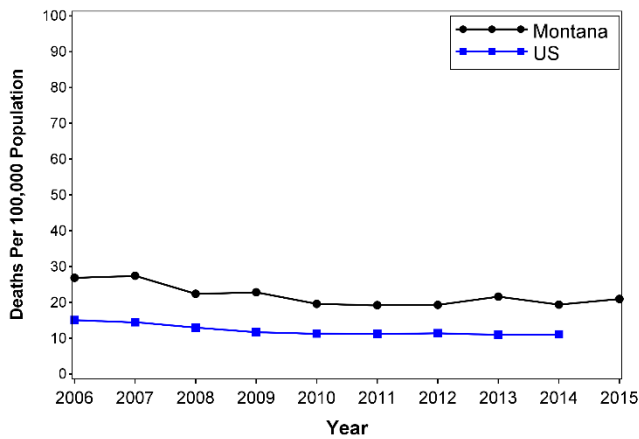


Figure 23

**Age-Specific Death Rates for  
Motor Vehicle Accidents  
Montana Residents, 2015**

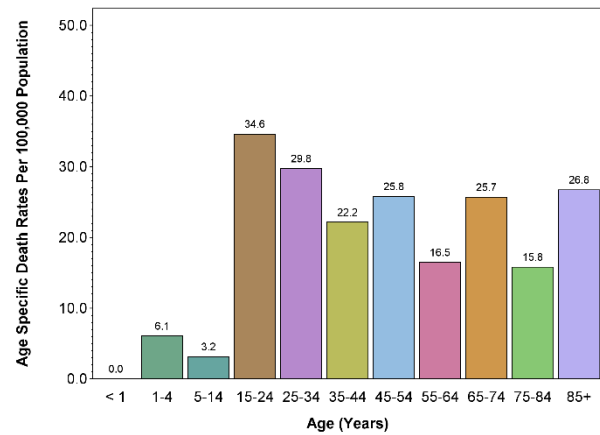


Figure 24

**Age-Adjusted Death Rates for  
Non-Motor-Vehicle Accidents  
Montana and U.S. Residents, 2006-2015**

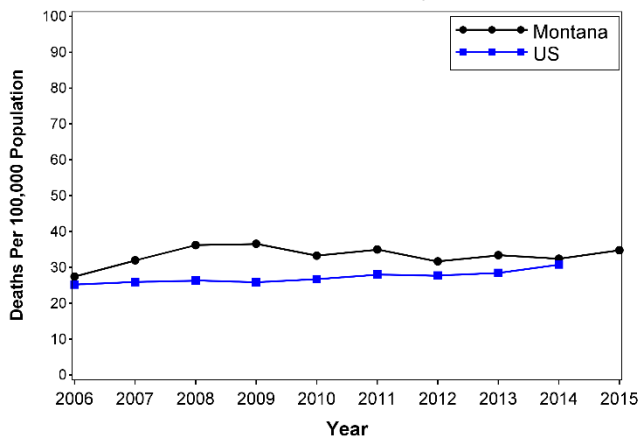


Figure 25

**Age-Specific Death Rates for  
Non-Motor-Vehicle Accidents  
Montana and U.S. Residents, 2015**

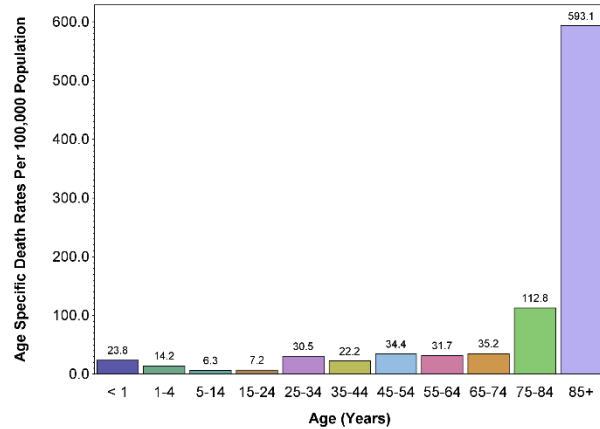


Figure 26

**Age-Adjusted Death Rates for  
Influenza and Pneumonia  
Montana and U.S. Residents, 2006-2015**

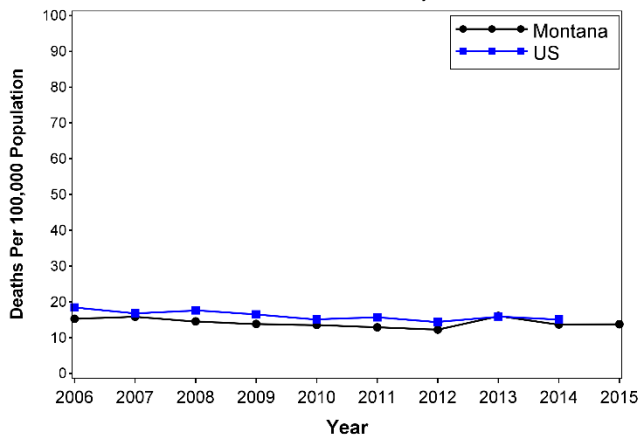


Figure 27

**Age-Specific Death Rates for  
Influenza and Pneumonia  
Montana Residents, 2015**

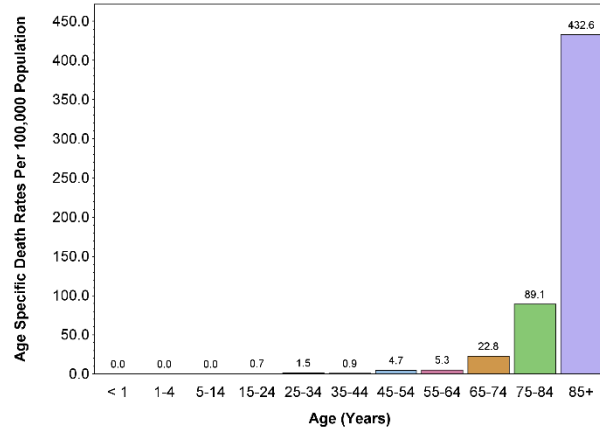




Figure 28

**Age-Adjusted Death Rates for  
Diabetes Mellitus  
Montana and U.S. Residents, 2006-2015**

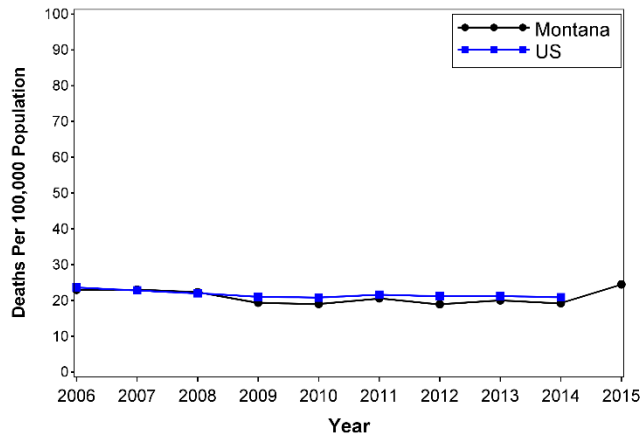


Figure 29

**Age-Specific Death Rates for  
Diabetes Mellitus  
Montana Residents, 2015**

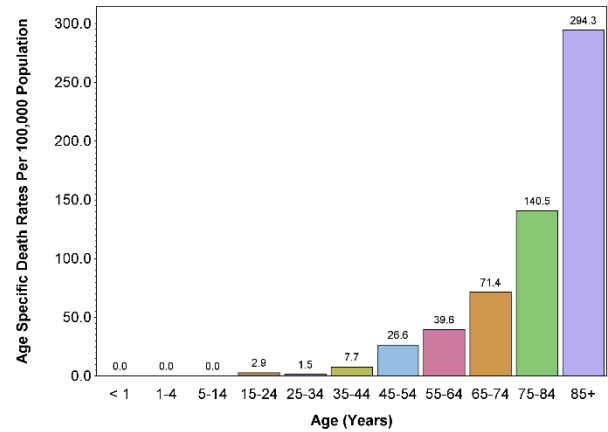


Figure 30

**Age-Adjusted Death Rates for  
Intentional-Self Harm (Suicide)  
Montana and U.S. Residents, 2006-2015**

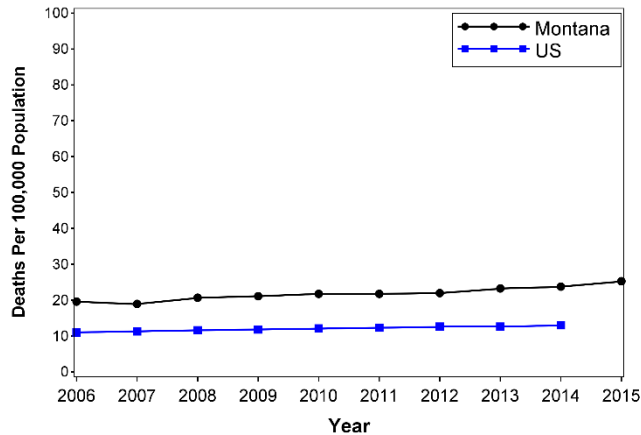


Figure 31

**Age-Specific Death Rates for  
Intentional-Self Harm (Suicide)  
Montana Residents, 2015**

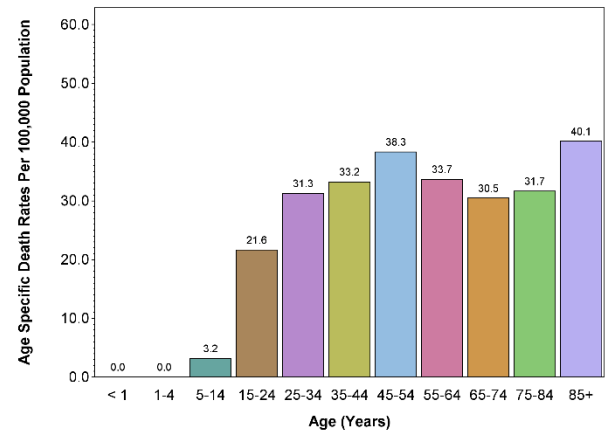


Figure 32

**Age-Adjusted Death Rates for  
Nephritis, Nephrotic Syndrome, and Nephrosis  
Montana and U.S. Residents, 2006-2015**

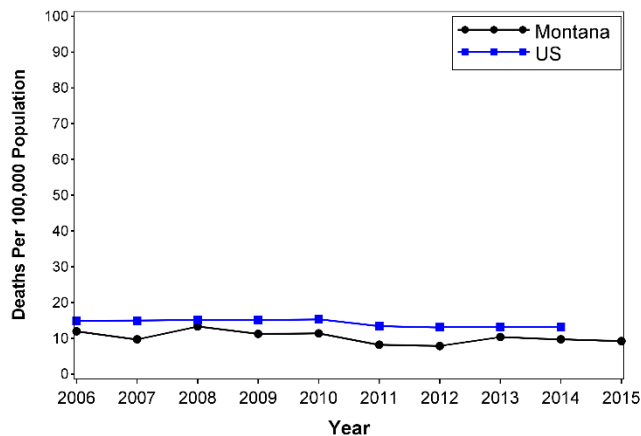
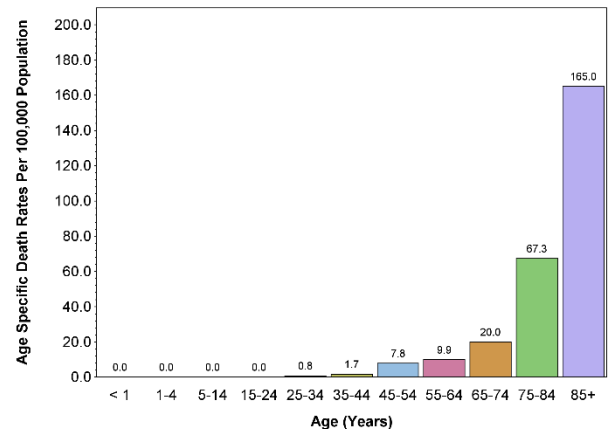


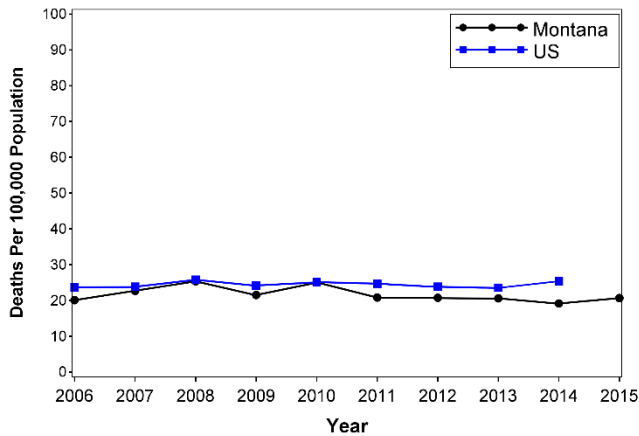
Figure 33

**Age-Specific Death Rates for  
Nephritis, Nephrotic Syndrome, and Nephrosis  
Montana Residents, 2015**



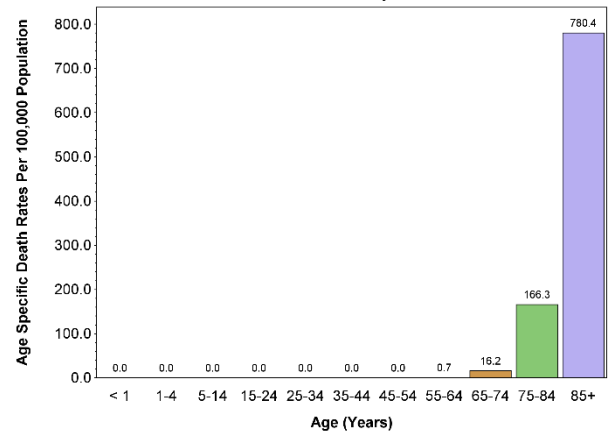
**Figure 34**

**Age-Adjusted Death Rates for  
Alzheimer's Disease  
Montana and U.S. Residents, 2006-2015**



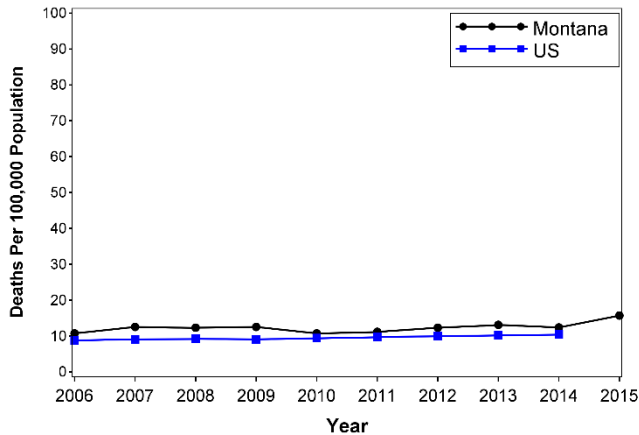
**Figure 35**

**Age-Specific Death Rates for  
Alzheimer's Disease  
Montana Residents, 2015**



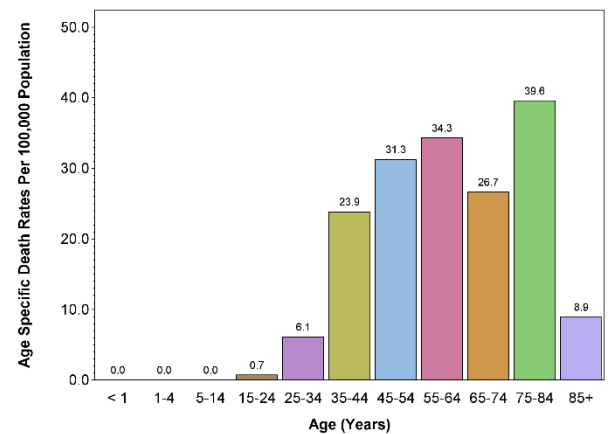
**Figure 36**

**Age-Adjusted Death Rates for  
Chronic Liver Disease and Cirrhosis  
Montana and U.S. Residents, 2006-2015**



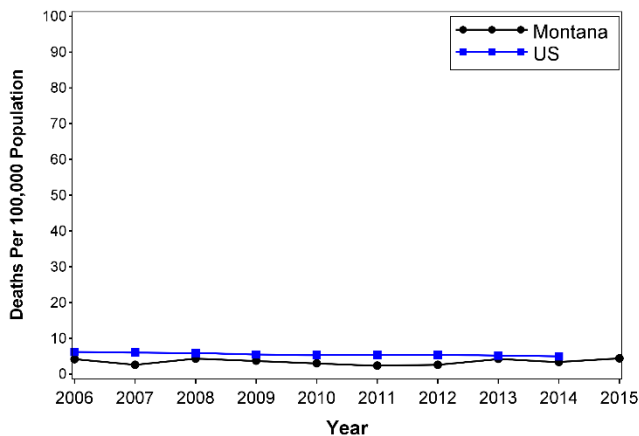
**Figure 37**

**Age-Specific Death Rates for  
Chronic Liver Disease and Cirrhosis  
Montana Residents, 2015**



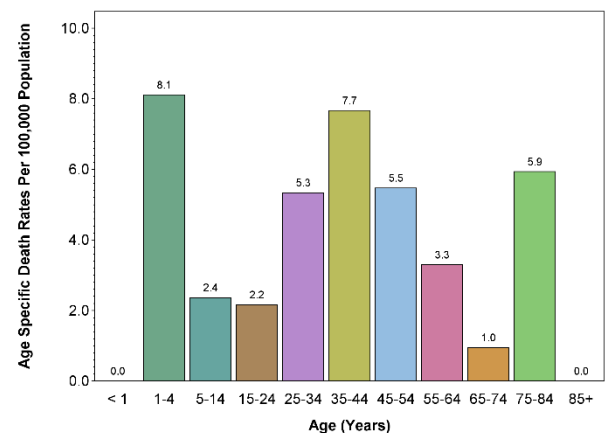
**Figure 38**

**Age-Adjusted Death Rates for  
Assault (Homicide)  
Montana and U.S. Residents, 2006-2015**



**Figure 39**

**Age-Specific Death Rates for  
Assault (Homicide)  
Montana Residents, 2015**



Montana's overall (i.e. all-cause) age-adjusted death rates (**Figure 10**) were below or just slightly above those for the U.S. between 2006 and 2012. Within the past three years, the rate of decline for Montana appears to be leveling or even slightly increasing while the U.S. rate maintained a steady downward trend during the entire period. Montana's age-adjusted death rates are also generally below those for the U.S. for many of the chronic diseases displayed; Montana's rates for heart disease (**Figure 12**), malignant neoplasm (cancer) (**Figure 14**), and nephritis (**Figure 32**) were among the lowest rates of all the chronic diseases.

For deaths from certain other chronic diseases, however, Montana clearly does not compare well to the nation. The state's rates for chronic lower respiratory diseases (C.L.R.D.)—which includes chronic and unspecified bronchitis, emphysema, and asthma—were higher than those for the U.S. in all years in which rates for both Montana and the U.S. are displayed (**Figure 18**). Montana's rates for chronic liver disease and cirrhosis were higher than the U.S. rate in all years for which direct comparisons are shown (**Figure 36**).

The patterns displayed for other chronic diseases were less conclusive. Montana's death rates for cerebrovascular disease showed inconsistent relationships with the U.S. rates, with the trend lines crossing each other more than once in the period shown (**Figure 16**). Death rates for influenza and pneumonia, Alzheimer's disease, were either slightly lower or virtually the same for all years displayed (**Figures 26 and 43**).

Montana's rates for one traumatic cause of death—homicide—were lower than the corresponding U.S. rates in all years displayed (**Figure 38**). However, the state's rates for the remaining traumatic causes of death—accident (both motor vehicle and non-motor-vehicle) and suicide —were, in all years, substantially higher than those for the nation (**Figs. 20, 22, 24, 30**).

These graphs show secular (i.e. long-term, despite occasional instability in the short-term) reductions in Montana's age-adjusted death rates for specific

chronic diseases such as heart disease, malignant neoplasms (cancer), influenza and pneumonia, diabetes, and cerebrovascular disease. The rates for chronic liver disease and cirrhosis, Alzheimer's, nephritis, and C.L.R.D are neither increasing nor decreasing consistently.

The trends of U.S. and Montana rates for all accidental deaths remain roughly flat (**Figure 20**), although—as noted—Montana's are much higher than those for the U.S. The overall trend for motor vehicle deaths is slightly downwards, but the rate in 2015 was nearly twice the U.S. rate (**Figure 22**). Montana's rate for non-motor-vehicle accidental deaths is on the increase (**Figure 24**). Both the Montana and U.S. rates for suicide have increased somewhat since 2001 (**Figure 30**). It is noteworthy that the Montana suicide rate was often nearly twice the U.S. rate in the period shown. Montana's homicide rate is largely unchanged (**Figure 38**).

### ***Age, Sex, and Race***

Different causes of death are likely to be associated with different ages, sexes and races of the decedent. **Table 2** below illustrates some of the difference in the causes of death for the two sexes. For instance, more males than females died of heart disease, cancer, chronic liver disease and cirrhosis, diabetes, and—most strikingly—the traumatic causes of death (suicide, homicide, and accident). Nearly three and a half times as many males as females died by suicide in this five-year period. More than twice as many males as females died of homicide. About sixty-one percent more males than females died from accidental deaths.

On the other hand, slightly more females than males died of influenza and pneumonia, chronic lower respiratory diseases, and nephritis. Almost twice the number of females as males died of Alzheimer's disease. About half again more females than males died of cerebrovascular disease. Typically, those dying of these causes lived the longest lives, as measured by the decedents' median age at death (**see Table D-9**), reflecting the relative longevity of females.

**Table 2. Frequency of Death\* by Selected Cause, Race, and Sex, Montana Residents, 2011-2015.**

Cause of Death	All Races		White		AI/AN		Other or Unknown	
	Male	Female	Male	Female	Male	Female	Male	Female
All Causes	24,173	22,444	22,566	21,042	1,474	1,285	133	117
HIV Infection	20	3	18	1	1	2	1	0
Cancer	5,360	4,726	5,114	4,496	221	209	25	21
Diabetes	742	558	637	473	98	82	7	3
Alzheimer's Disease	441	873	440	863	0	8	1	2
Heart Disease	5,466	4,337	5,178	4,124	264	192	24	21
Cerebrovascular Disease	968	1,305	929	1,251	36	48	3	6
Atherosclerosis	46	39	43	38	3	1	0	0
Influenza And Pneumonia	426	454	407	425	17	27	2	2
Chronic Lower Respiratory Diseases	1,569	1,657	1,509	1,590	53	64	7	3
Chronic Liver Disease And Cirrhosis	456	295	345	204	109	88	2	3
Nephritis, Nephrotic Syndrome & Nephrosis	278	293	253	258	23	34	2	1
Congenital Malformations & Chromosomal Anomalies	103	69	90	61	9	8	4	0
Conditions Originating In Perinatal Period	80	49	61	37	18	8	1	4
Sudden Infant Death Syndrome	34	17	19	13	12	4	3	0
Accidents	1,792	1,138	1,582	991	197	139	13	8
Motor Vehicle Accidents	687	336	582	255	97	78	8	3
Non-Motor Vehicle Accidents	1,104	802	999	736	100	61	5	5
Suicide	931	277	851	248	72	23	8	6
Homicide	104	43	74	32	28	10	2	1
Other Causes	5,357	6,311	5,016	5,937	313	338	28	36

As mentioned in the Technical Overview of this report, the Montana death certificate, since 2003, records race in greater detail. Not only are more racial categories used, but informants are also specifically asked to name all of the several classifications that may apply to a decedent. The result of this additional prompting has been a greater proportion of decedents classified by two or more races. In order to calculate mortality rates by race, NCHS provides OVS the most likely, or “bridged,” race for each decedent. These bridged race classifications are described in the introduction of this report and are used in the report’s figures and reference tables.

In the period 2011-2015, as age at death increased, chronic diseases became more frequent as the cause of death (**Table 3**). Cancer and heart disease were the leading causes of death for decedents aged 45 to 84 years, accounting for about half of the deaths in that age group. However, for the age category 85 and older, heart disease accounted for about a quarter of the deaths, with cancer causing only about half that proportion. Frequencies and crude rates for the ten leading causes of death (for decedents of all ages) are shown for Montana and each county in **Table S-4**.

Accidents caused a greater proportion of the deaths among the young than the old. They accounted for

nearly a fifth of the deaths of those 14 years of age or younger, nearly half of the deaths of those between the ages of 15 and 24, and nearly two fifths of those between the ages of 25 and 34 years. By contrast, accidents accounted for three and a half percent of the deaths of those aged 65 or older.

Suicide was the cause of death for a fifth of the decedents between the ages of 15 and 44, but by contrast it was the cause of death for less than 1% of decedents 65 years of age or over.

**Table 3. Frequency of Death by Selected Leading Causes of Death and Age, Montana Residents, 2011-2015.**

Cause of Death	All Ages	Under 1 Year	1-4 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years
All Causes	46,618	349	79	110	615	868	1,212	2,927	5,937	8,081	11,206	15,234
HIV Infection	23	0	0	0	0	0	7	8	6	1	1	0
Cancer	10,086	1	2	7	28	56	133	647	1,935	2,781	2,730	1,766
Diabetes	1,300	0	0	0	12	7	38	112	200	284	322	325
Alzheimer's Disease	1,314	0	0	0	0	0	0	0	8	75	360	871
Heart Disease	9,803	2	3	1	8	37	121	482	1,207	1,655	2,435	3,852
Cerebrovascular Disease	2,273	3	0	3	4	9	12	63	149	295	633	1,102
Atherosclerosis	85	0	0	0	0	0	0	4	9	10	29	33
Influenza And Pneumonia	880	5	2	0	3	3	9	36	57	99	210	456
Chronic Lower Respiratory Diseases	3,226	3	0	0	2	5	9	69	312	786	1,111	929
Chronic Liver Disease and Cirrhosis	751	0	0	0	3	23	87	204	229	127	68	10
Nephritis, Nephrotic Syndrome & Nephrosis	571	0	0	0	1	4	12	26	47	101	159	221
Congenital Malformations & Chromosomal Anomalies	173	83	4	3	4	7	8	10	24	13	6	11
Conditions Originating in Perinatal Period	129	126	0	3	0	0	0	0	0	0	0	0
Sudden Infant Death Syndrome	51	51	0	0	0	0	0	0	0	0	0	0
Accidents	2,930	10	35	51	300	326	288	388	337	247	331	617
Motor Vehicle Accidents	1,023	0	14	25	223	187	124	156	122	95	47	30
Non-Motor Vehicle Accidents	1,906	10	21	26	77	139	164	232	215	152	283	587
Suicide	1,208	0	0	13	152	199	190	222	231	104	61	36
Homicide	147	2	8	4	20	28	27	30	12	10	5	1
Other Causes	11,668	63	25	25	78	164	271	626	1,174	1,493	2,745	5,004

## Years of Potential Life Lost

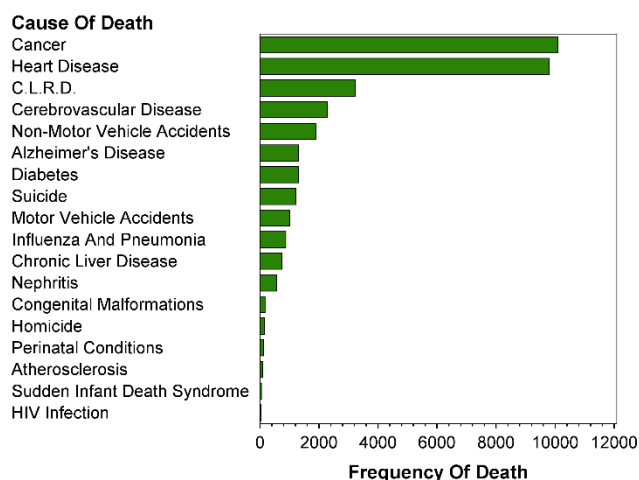
The traditional approach to cause of death analysis relies on frequency of death. This perspective emphasizes causes of death that affect the elderly, simply because of the larger number of such deaths. Years of potential life lost (YPLL) is an alternative measure that highlights premature, preventable, and unnecessary mortality. There are a number of different calculations for YPLL, each with a slightly different emphasis. Here we use the “premature years of potential life lost” calculation, which is easily understood and is used by the Centers for Disease Control and Prevention. For each decedent younger than 75 years, the age at death is subtracted from 75. The results are summed by cause of death. This measure is referred to here as YPLL-75.

The ten leading causes of death in 2015 were cancer (21.4% of all resident deaths), heart disease (21.2%), chronic lower respiratory diseases (6.8%), accidents (6.4%), cerebrovascular disease (4.6%), diabetes (3.2%), Alzheimer’s disease (2.8), suicide (2.7%), influenza and pneumonia (1.9%), and chronic liver disease and cirrhosis (1.8%) (Table S-4). These results illustrate the traditional view of cause of death analysis, showing the frequency, or number, of deaths in several cause of death categories.

Similar results are observed when the number of Montanans of all ages who died of one of the listed causes is combined over the five-year period, 2011-2015 (Figure 40). While the numbers who died of

**Figure 40**

### FREQUENCY OF DEATH BY CAUSE OF DEATH MONTANA RESIDENTS, 2011-2015



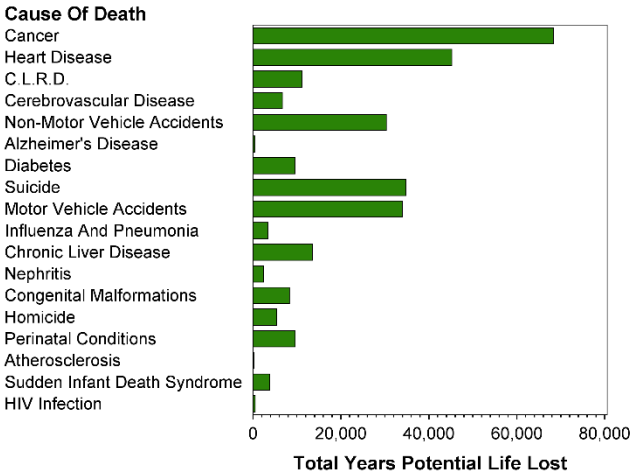
these causes are larger than those for the single year of 2015, the proportions and rankings for the causes are remarkably similar. Cancer and heart disease clearly outpace the other specified causes, with each accounting for a little more than a fifth of all decedents. Accidents, C.L.R.D., and cerebrovascular disease are

usually in the five to seven percent range, Suicide, Alzheimer's, diabetes, influenza and pneumonia, chronic liver disease, and liver disease and cirrhosis and nephritis are all in the one to three percent range.

An alternative perspective, YPLL-75 analysis, highlights the traumatic causes of death at the expense of the non-traumatic causes (**Figure 41**). Only decedents younger than 75 at the time of death are reflected in this figure. Accidents (both motor-vehicle and non-motor-vehicle) and suicide comprise a little less than ten percent of the deaths in these years but accounted for about a third of the total losses as measured by YPLL-75. This disparity in proportions points to the relatively large cost (in terms of length of life lost) of the typical death from traumatic causes and emphasizes the many young people lost to such potentially preventable causes of death.

**Figure 41**

**Total Years of Potential Life Lost Before Age 75  
By Cause of Death  
Montana Residents, 2011-2015**



Regardless of which of these two perspectives is used, cancer and heart disease cause a large social loss because of the numbers of deaths they cause, both among decedents of advanced age and those less than 75 years of age. More than half of all cancer victims tend to be younger than 75. More than a third of heart disease victims are younger than this age.

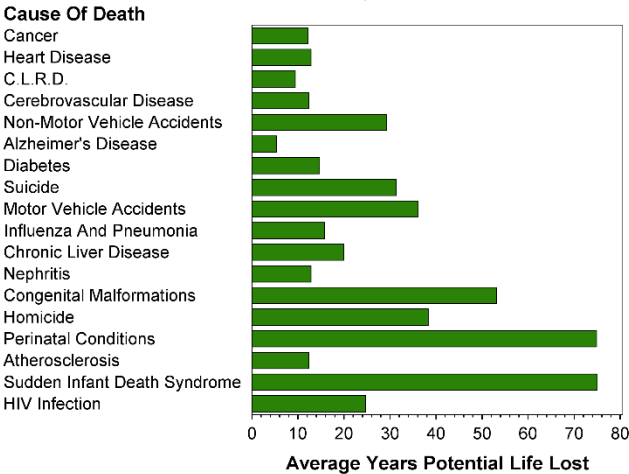
The YPLL-75 perspective re-orders the ranking of the leading causes of death, thus highlighting areas the CDC has called "premature," "preventable," and "unnecessary" and has said "provide the greatest potential for health improvement" ([Morbidity and](#)

[Mortality Weekly Report, June 20, 1997](#)). Frequency of accidental (unintentional injury) deaths (both motor and non-motor vehicle) was ranked fourth in cause of death by frequency but this cause of death is ranked second, just below cancer in terms of total YPLL-75. This indicates that accidental deaths are prevalent in those less than 75 years of age and cause great losses to society due to premature death. Suicide (intentional self-harm) ranked eighth by frequency, but became the third leading cause when measured by total YPLL-75.

Average YPLL-75 is calculated by dividing the total YPLL-75 for each cause of death by the number of decedents less than 75 years of age (**Figure 42**). While total YPLL-75 emphasizes the loss to society in terms of years of lost life, average YPLL-75 emphasizes the loss to the individual. Also, standardizing YPLL in this way makes the measure useful for measuring progress over time in public health and safety and disparities among sub-populations.

**Figure 42**

**Average Years of Potential Life Lost Before Age 75  
By Cause of Death  
Montana Residents, 2011-2015**



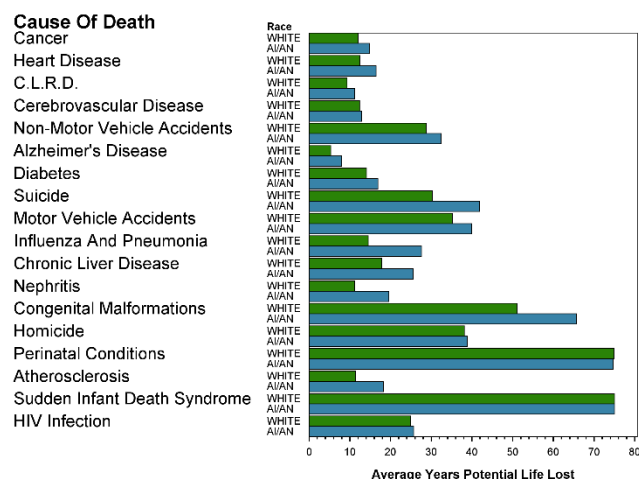
The category sudden infant death syndrome (SIDS), a cause of death diagnosis reserved for infants alone, showed the greatest average loss to an individual (the full 75 years lost.) This was followed closely by conditions originating in the perinatal period, and congenital anomalies, causes which claim mostly infants, toddlers, and, occasionally, older children. The traumatic causes of death— homicide, motor vehicle accidents, suicide, and other accidents—are next in ranking, followed by HIV infection, and finally various chronic diseases.



Several causes of death demonstrated a greater impact on American Indians (abbreviated as “AI/AN” in the figures below) than white decedents when considering average years of potential life lost (**Figure 43 and Table D-9**). These data show that typically, measuring by median age at death, American Indians have lifespans 18 years shorter than whites—roughly a quarter of the typical lifespan for whites. Some of the more notable causes of death affecting American Indians in this way include accidents (difference of 22.5 years), atherosclerosis (22.5 years), suicide (19 years), influenza and pneumonia (11 years), congenital malformations and chromosomal anomalies (17.5 years), heart disease (14 years), nephritis (15 years), cerebrovascular disease (13 years), and diabetes (11 years). American Indians living in Montana typically die at a younger age than whites from every cause of death listed in **Table D-9** except for SIDS, a category for which a decedent must be an infant to qualify, and conditions originating in the perinatal period (i.e. near the time of birth).

**Figure 43**

**Average Years of Potential Life Lost Before Age 75  
By Cause of Death and Race  
Montana Residents, 2011-2015**



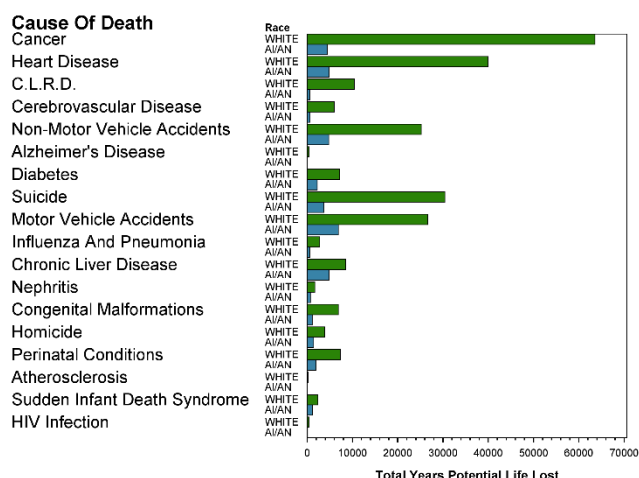
Note: green bars indicate White; blue bars indicate American Indian/Alaska Native

However, when considering total years of potential life lost, the white population is impacted greatest simply because about 90% of Montana’s population is white alone (i.e. with no other race mentioned) (**Figure 44 and Table D-9**). From this perspective, cancer, (21.0% of total YPLL), accidents (17.2%), heart disease (13.2%), suicide (10.1%), C.L.R.D. (3.5%), and chronic liver disease and cirrhosis (2.8%) are the causes of death impacting

the white population most, while the American Indian population is impacted most by accidents (23.7%), heart disease (9.3%), cancer and chronic liver disease and cirrhosis (8.8%), suicide (8.6%), and diabetes and conditions originating in the perinatal period (3.5%). While five of these seven causes are in both lists, they are in a strikingly different order and proportion of total YPLL for the two races.

**Figure 44**

**Total Years of Potential Life Lost Before Age 75  
By Cause of Death and Race  
Montana Residents, 2011-2015**



Note: green bars indicate White; blue bars indicate American Indian/Alaska Native

Although YPLL has significant advantages for analyzing mortality data from a public health perspective, it also has a decided disadvantage in that some data—the records of the older decedents—are excluded from the analysis. More than half of the Montana decedents in this time period were excluded from this YPLL-75 analysis. While YPLL highlights those causes of death having the greatest impact on the younger members of the population—and according to the Centers for Disease control and Prevention, highlights “areas that provide the greatest potential for health improvement,” it does so at the cost of diverting attention from the causes of death affecting older members of that society. **Table D-9** in the reference table section of this report summarizes both the frequency of death and years of potential life lost before the age of 75 by cause of death and race. Summary statistics for decedents of all ages are shown on the right-hand side of the table. The left-hand side shows statistics for only those decedents younger than 75 years of age.

## INDUCED ABORTION

There were 1,611 induced abortions performed in Montana in 2015. Of those, 1,397 were performed on Montana residents. Induced abortions have been reported to the Department since July 1, 1974, when the [Montana Abortion Control Act](#) was implemented. States no longer report induced abortions to NCHS and some states have never collected this information. Few states exchange resident abortion statistics. For these reasons, national abortion rates are estimates based on survey data and incomplete reporting. Furthermore, Montana's complete resident abortion statistics are unknown. Statistics provided in this report are for those abortions occurring in Montana, and any references to Montana residents must be viewed as incomplete.

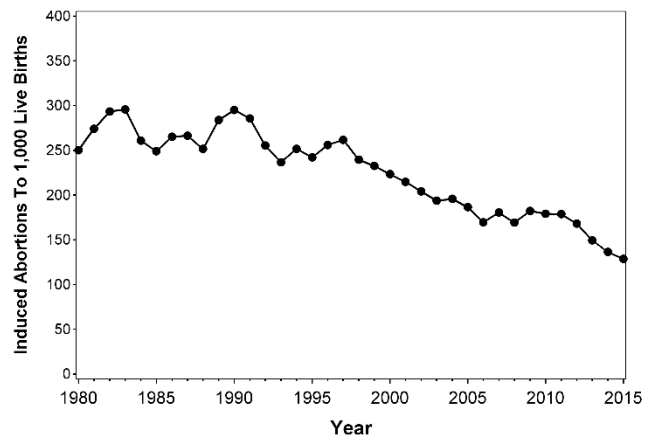
Since the reporting of induced abortions began, the ratio of such abortions performed in Montana to the number of live-born babies delivered in the state increased rapidly for the first several years and has fallen fairly steadily for the last quarter of a century. The abortion ratio was 129.9 in 1975 and rose to 295.6 in 1983 (**Figure 45**). The trend fell and rose again to a near-peak (295.2) in 1990. From 1990 to the present, it has generally trended downward. The ratio was 128.6 in 2015, the lowest recorded since 1976.

**Table S-1** shows the frequency of induced abortions occurring (i.e. performed) in Montana and the ratio of these abortions to the number of live births occurring in the state.

**Table S-5** shows the frequency of induced abortions — as well as that of live births and fetal deaths, the other pregnancy outcomes reported to the Department—by age and county of residence. The frequency of induced abortion in this table is for Montana residents receiving the procedure in Montana.

Figure 45

Ratio of Induced Abortions to Live Births  
Montana Occurrences, 1980-2015



**Table A-1** shows the frequency and percent of induced abortions by age of patient and year.

**Table A-2** shows the frequency and percent of induced abortions by completed weeks of gestation and year.

**Table A-3** shows the frequency and percent of induced abortions by method and year.

**Table A-4** shows the frequency and percent of induced abortions by race of patient and year.

**Table A-5** shows the frequency and percent of induced abortions by number of previous induced abortions and year.



## LIST OF REFERENCE TABLES

Table	Contents
S-1	Frequency And Rate or Ratio of Death, Live Birth, Fetal, Infant, and Maternal Death, Marriages, Marital Terminations, and Induced Abortions By Year – Montana, 1910-2015
S-2	Frequency of Death, Live Birth, and Fetal, Infant, and Maternal Death by County of Occurrence and County of Residence – Montana, 2015
S-3	Frequency of Death, Live Birth, Fetal Death, Infant Death, and Child Death by Race and by Year – Montana, 1989-2015
S-4	Selected Vital Statistics – Frequencies and Rates or Ratios by County – Montana, 2015
S-5	Frequency and Age-Specific Rate of Live Births, Fetal Deaths, and Induced Abortions By Year and Age of Mother or Patient – Montana, 1990-2015
P-1	Resident Population By County – Montana, 2002-2015
B-1	Frequency and Percent Distribution of Live Births by Infant's Sex, Plurality, and Parity – Montana Residents, 2007-2015
B-2	Frequency and Percent Distribution of Live Births by Type of Facility and Attendant by Year – Montana Occurrences, 1989-2015
B-3	Frequency and Percent Distribution of Live Births By Birth Weight and by Year – Montana Residents, 1989-2015
B-4	Frequency and Percent Distribution of Live Births by Completed Weeks of Gestation by Year – Montana Residents, 1989-2015
B-5	Frequency Of Live Births By Month Pre-Natal Care Began By Year – Montana Residents, 1989-2015
D-1	Frequency of Death by Sex, Age, and up to 358 Selected Underlying Causes – Montana Residents, 2015

Table	Contents
D-2	Frequency of Death by Sex, Race, and up to 113 Selected Underlying Causes And Enterocolitis due to Clostridium Difficile – Montana Residents, 2015
D-3	Frequency and Rate of Death from Selected Underlying Causes by Year – Montana Residents, 1953 - 2015
D-4	Frequency And Rate Of Death From Selected Communicable Diseases By Year – Montana 1930 - 2015
D5	Frequency of Death From Selected Cancers by Sex of Decedent and Year of Death – Montana Residents, 1960 - 2015
D-6	Frequency of Infant Death by Age and up to 130 Selected Underlying Causes – Montana Residents, 2015
D-7	Frequency of Infant Death by Age in Days and Five-Year Infant Mortality Rate – Montana Residents, 1991-2015
D-8	Frequency of Maternal and Late Maternal Deaths by Year – Montana Residents, 2005-2015
D-9	Age at Death and Years of Potential Life Lost Before Age 75 by Cause of Death – Central Tendency and Dispersion – Montana Residents, 2011-2015
F-1	Frequency of Fetal Death by Completed Weeks of Gestation and up to 124 Selected Underlying Causes – Montana Residents, 2015
A-1	Frequency and Percent Induced Abortions by Age of Patient and Year—Montana Occurrences, 2003-2015
A-2	Frequency and Percent of Induced Abortions by Completed Weeks of Gestation and Year—Montana Occurrences, 2003-2015
A-3	Frequency and Percent of Induced Abortions by Method and Year—Montana Occurrences, 2003-2015
A-4	Frequency and Percent of Induced Abortions by Race and Year—Montana Occurrences, 2003-2015

Table	Contents
A-5	Frequency and Percent of Induced Abortions by Number of Previous Induced Abortions and Year—Montana Occurrences, 2003-2015

**Table S-1**  
**Frequency and Rate or Ratio of Death, Live Birth, Fetal, Infant, and Maternal Death,**  
**Marriage, Marital Termination, and Induced Abortion by Year**  
**Montana, 1910-2015**

Year	Estimated Midyear Population	Deaths <sup>1</sup>		Live Births <sup>1</sup>		Fetal Deaths <sup>1</sup>		Infant Deaths <sup>1</sup>		Maternal Deaths <sup>1</sup>		Marriages <sup>2</sup>		Marital Terminations <sup>2,3</sup>		Induced Abortions <sup>2</sup>	
		Number	Rate*	Number	Rate*	Number	Ratio+	Number	Rate*	Number	Rate^	Number	Rate*	Number	Rate*	Number	Ratio+
2015	1,032,949	9,939	9.6	12,580	12.2	45	3.6	75	6.0	0	‡	8,223	8.0	3,536	3.4	1,611	128.6
2014	1,023,252	9,345	9.1	12,431	12.1	52	4.2	68	5.5	3	‡	8,037	7.9	3,529	3.4	1,690	136.3
2013	1,014,402	9,453	9.3	12,351	12.2	54	4.4	66	5.3	4	‡	7,511	7.4	3,670	3.6	1,842	149.4
2012	1,005,157	8,876	8.8	12,052	12.0	57	4.7	71	5.9	0	‡	7,850	7.8	3,937	3.9	2,031	168.3
2011	997,746	9,005	9.0	12,039	12.1	62	5.1	69	5.7	5	‡	7,754	7.8	4,020	4.0	2,147	178.7
2010	990,643	8,803	8.9	12,058	12.2	52	4.3	71	5.9	1	‡	7,335	7.4	3,909	3.9	2,160	179.0
2009	983,982	8,704	8.8	12,280	12.5	58	4.7	72	5.9	5	‡	7,231	7.3	3,973	4.0	2,223	182.2
2008	976,415	8,897	9.1	12,595	12.9	39	3.1	87	6.9	1	‡	7,467	7.6	3,382	3.5	2,125	169.3
2007	964,706	8,570	8.9	12,437	12.9	38	3.1	76	6.1	2	‡	7,263	7.5	4,720	4.9	2,238	180.5
2006	952,692	8,434	8.9	12,499	13.1	49	3.9	70	5.6	0	‡	7,055	7.4	4,176	4.4	2,119	169.7
2005	940,102	8,496	9.0	11,573	12.3	54	4.7	81	7.0	1	‡	6,964	7.4	3,983	4.2	2,155	186.5
2004	930,009	8,079	8.7	11,514	12.4	40	3.5	53	4.6	2	‡	6,946	7.5	3,516	3.8	2,256	195.7
2003	919,630	8,439	9.2	11,384	12.4	55	4.8	76	6.7	2	‡	6,640	7.2	3,255	3.5	2,213	193.8
2002	911,667	8,473	9.3	11,045	12.1	51	4.6	81	7.3	0	‡	6,514	7.1	3,634	4.0	2,249	204.1
2001	906,961	8,252	9.1	10,947	12.1	43	3.9	73	6.7	2	‡	6,612	7.3	3,735	4.1	2,350	214.9
2000	903,773	8,071	8.9	10,946	12.1	55	5.0	63	5.8	1	‡	6,870	7.6	3,694	4.1	2,441	223.4
1999	897,511	8,082	9.0	10,778	12.0	62	5.8	72	6.7	0	‡	6,785	7.6	3,318	3.7	2,499	232.6
1998	892,431	7,985	8.9	10,789	12.1	76	7.0	83	7.7	1	‡	6,436	7.2	3,698	4.1	2,573	239.5
1997	889,867	7,745	8.7	10,838	12.2	49	4.5	74	6.8	0	‡	6,708	7.5	4,058	4.6	2,809	261.8
1996	886,256	7,696	8.7	10,840	12.2	58	5.4	75	6.9	1	‡	6,609	7.5	4,238	4.8	2,763	256.1
1995	876,553	7,626	8.7	11,136	12.7	67	6.0	82	7.4	0	‡	6,818	7.8	4,214	4.8	2,674	242.0
1994	861,306	7,342	8.5	11,062	12.8	52	4.7	82	7.4	0	‡	7,088	8.2	4,196	4.9	2,761	251.7
1993	844,761	7,468	8.8	11,362	13.4	74	6.5	84	7.4	0	‡	7,041	8.3	4,311	5.1	2,645	236.6
1992	825,770	7,073	8.6	11,468	13.9	84	7.3	85	7.4	0	‡	7,189	8.7	4,223	5.1	2,869	255.3
1991	809,680	7,004	8.7	11,498	14.2	90	7.8	82	7.1	1	‡	6,984	8.6	4,443	5.5	3,226	285.6
1990	800,204	6,837	8.5	11,602	14.5	78	6.7	107	9.2	0	‡	6,924	8.7	4,049	5.1	3,365	295.2
1989	805,600	6,741	8.4	11,667	14.5	86	7.4	133	11.4	0	‡	6,765	8.4	4,104	5.1	3,245	283.9
1988	805,000	6,759	8.4	11,682	14.5	92	7.9	100	8.6	1	‡	6,784	8.4	4,063	5.0	2,866	251.6
1987	809,000	6,597	8.2	12,239	15.1	96	7.8	121	9.9	0	‡	6,540	8.1	4,116	5.1	3,175	266.3
1986	819,000	6,738	8.2	12,728	15.5	95	7.5	122	9.6	2	‡	6,739	8.2	4,307	5.3	3,295	265.1
1985	826,000	6,725	8.1	13,497	16.3	96	7.1	139	10.3	0	‡	7,178	8.7	4,258	5.2	3,291	249.0
1984	824,000	6,698	8.1	14,141	17.2	110	7.8	125	8.8	1	‡	7,659	9.3	4,355	5.3	3,618	260.9
1983	817,000	6,699	8.2	14,054	17.2	91	6.5	126	9.0	4	‡	8,092	9.9	4,644	5.7	4,061	295.6
1982	801,000	6,625	8.3	14,538	18.1	93	6.4	147	10.1	1	‡	8,185	10.2	4,612	5.8	4,175	293.3
1981	793,000	6,709	8.5	14,309	18.0	85	5.9	153	10.7	0	‡	8,209	10.4	5,004	6.3	3,838	274.2
1980	786,690	6,664	8.5	14,208	18.1	104	7.3	176	12.4	2	‡	8,336	10.6	4,940	6.3	3,471	250.2
1979	786,000	6,471	8.2	14,057	17.9	116	8.3	151	10.7	4	‡	8,195	10.4	5,106	6.5	3,447	249.8
1978	785,000	6,484	8.3	13,545	17.3	110	8.1	155	11.4	3	‡	8,136	10.4	4,877	6.2	3,092	233.5
1977	761,000	6,397	8.4	13,304	17.5	119	8.9	183	13.8	1	‡	7,547	9.9	4,813	6.3	2,539	194.5
1976	753,000	6,733	8.9	12,605	16.7	104	8.3	209	16.6	0	‡	7,390	9.8	4,850	6.4	1,803	145.9
1975	748,000	6,539	8.7	12,070	16.1	112	9.3	187	15.5	3	‡	7,331	9.8	4,286	5.7	1,535	129.9
1970	694,409	6,597	9.5	12,622	18.2	140	11.1	272	21.5	3	‡	6,919	10.0	3,047	4.4	N/A	N/A
1965	706,000	6,578	9.3	13,641	19.3	177	13.0	338	24.8	2	‡	4,688	6.6	2,002	2.8	N/A	N/A
1960	674,767	6,525	9.7	17,448	25.9	190	10.9	435	24.9	5	‡	5,883	8.7	2,003	3.0	N/A	N/A
1955	636,000	6,115	9.6	17,454	27.4	221	12.7	433	24.8	5	‡	6,514	10.2	1,909	3.0	N/A	N/A
1950	591,024	5,817	9.8	15,592	26.4	233	14.9	441	28.3	20	128.3	7,235	12.2	1,951	3.3	N/A	N/A
1945	504,600	5,414	10.7	10,601	21.0	184	17.4	363	34.2	17	‡	8,147	16.1	2,380	4.7	N/A	N/A
1940	559,456	5,722	10.2	11,468	20.5	216	18.8	527	46.0	39	340.1	N/A	N/A	N/A	N/A	N/A	N/A
1935	549,077	6,291	11.5	10,029	18.3	232	23.1	602	60.0	52	518.5	N/A	N/A	N/A	N/A	N/A	N/A
1930	537,606	5,435	10.1	10,004	18.6	286	28.6	569	56.9	67	669.7	N/A	N/A	N/A	N/A	N/A	N/A
1925	542,834	5,188	9.6	10,302	19.0	343	33.3	726	70.5	83	805.7	N/A	N/A	N/A	N/A	N/A	N/A
1920	548,339	5,289	9.6	11,862	21.6	N/A	N/A	862	72.7	104	876.7	N/A	N/A	N/A	N/A	N/A	N/A
1915	468,067	5,072	10.8	11,132	23.8	N/A	N/A	816	73.3	91	817.5	N/A	N/A	N/A	N/A	N/A	N/A
1910	1,032,949	9,939	9.6	12,580	12.2	47	3.7	75	6.0	0	‡	8,223	8.0	3,536	3.4	1,611	128.6

<sup>1</sup> Data for 1910-1945 are by place of occurrence. Beginning in 1946, death, live birth, fetal, infant and maternal death tabulation are by place of residence.

<sup>2</sup> Marriages, marital terminations, and induced abortion tabulations by place of occurrence.

<sup>3</sup> Marital termination data were collected by the Montana Office of Vital Statistics (OVS) through October of 1998 and by the Montana Judicial Branch thereafter. Data collected by the Judicial Branch are not strictly comparable to those collected by OVS and should be used with caution.

\* Per 1,000 estimated midyear population.

+ Per 1,000 live births

^ Per 100,000 live births

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

N/A - Not available

**Table S-2**  
**Frequency of Live Births, Deaths, Fetal, Infant and Maternal Deaths**  
**by County of Occurrence and County of Residences**  
**Montana, 2015**

County	Live Births		Deaths		Fetal Deaths		Infant Deaths		Maternal Deaths	
	Occ.	Res.	Occ.	Res.	Occ.	Res.	Occ.	Res.	Occ.	Res.
Montana Total	12,523	12,580	9,904	9,939	43	45	63	75	0	0
Beaverhead	65	90	87	83	0	0	0	†	0	0
Big Horn	17	300	87	136	0	†	†	†	0	0
Blaine	†	124	47	73	0	0	0	0	0	0
Broadwater	†	46	39	61	0	†	0	0	0	0
Carbon	†	63	80	110	0	0	0	†	0	0
Carter	0	12	8	7	0	0	0	0	0	0
Cascade	1,574	1,156	1,006	867	7	†	7	6	0	0
Chouteau	†	58	44	54	0	†	0	0	0	0
Custer	301	165	145	159	†	0	0	0	0	0
Daniels	0	12	18	23	0	0	0	0	0	0
Dawson	97	130	110	112	0	0	0	†	0	0
Deer Lodge	198	85	116	128	0	0	0	0	0	0
Fallon	0	46	29	36	0	†	0	0	0	0
Fergus	106	143	157	166	0	†	†	†	0	0
Flathead	1,270	1,154	980	922	†	†	†	6	0	0
Gallatin	1,367	1,200	519	513	5	†	†	†	0	0
Garfield	0	16	18	21	0	0	0	0	0	0
Glacier	155	237	88	135	0	†	†	†	0	0
Golden	0	8	†	6	0	0	0	0	0	0
Granite	†	19	27	30	0	0	0	0	0	0
Hill	405	302	138	159	†	†	0	†	0	0
Jefferson	†	91	78	113	0	0	0	0	0	0
Judith	0	15	11	17	0	0	0	0	0	0
Lake	288	337	254	334	†	†	†	†	0	0
Lewis & Clark	833	788	616	600	9	8	†	†	0	0
Liberty	†	28	24	29	0	0	0	0	0	0
Lincoln	111	156	217	264	0	0	0	0	0	0
McCone	0	18	11	16	0	0	0	0	0	0
Madison	†	64	65	77	0	†	0	0	0	0
Meagher	0	17	16	28	0	0	0	0	0	0
Mineral	†	46	56	69	0	0	0	†	0	0
Missoula	1,733	1,264	1,081	879	†	†	10	8	0	0
Musselshell	†	46	38	53	0	0	0	0	0	0
Park	104	151	141	159	0	†	0	†	0	0
Petroleum	0	†	0	†	0	0	0	0	0	0
Phillips	0	54	37	43	0	0	0	0	0	0
Pondera	0	63	42	57	0	†	0	†	0	0
Powder River	0	20	19	24	0	0	0	0	0	0
Powell	†	64	54	71	0	0	0	0	0	0
Prairie	0	13	13	15	0	0	0	0	0	0
Ravalli	163	399	344	420	0	0	†	†	0	0
Richland	126	182	66	83	†	†	0	†	0	0
Roosevelt	162	245	102	132	0	0	†	†	0	0
Rosebud	12	161	60	97	0	0	0	†	0	0
Sanders	33	121	109	155	0	0	†	†	0	0
Sheridan	†	54	56	59	0	†	0	0	0	0
Silver Bow	307	394	447	446	†	†	†	†	0	0
Stillwater	†	71	72	100	0	0	0	0	0	0
Sweet Grass	0	34	37	42	0	0	0	0	0	0
Teton	0	80	39	53	0	0	0	0	0	0
Toole	40	60	44	56	†	0	0	0	0	0
Treasure	0	13	†	12	0	†	0	0	0	0
Valley	129	93	75	88	0	0	0	0	0	0
Wheatland	0	19	14	27	0	0	0	0	0	0
Wibaux	0	11	13	20	0	0	0	0	0	0
Yellowstone	2,907	2,039	1,904	1,494	7	†	21	17	0	0
Not Stated	0	†	0	5	0	0	0	0	0	0

† Frequency is fewer than five.

**Table S-3**  
**Frequency of Live Births, Deaths, Fetal, Infant and Child Deaths**  
**by Race\*, Montana Residents, 1989-2015**

Year	Live Births				Deaths				Fetal Deaths				Infant Deaths				Child Deaths**			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
2015	12,580	10,889	1,488	203	9,939	9,245	634	60	45	38	6	†	75	57	16	†	77	67	10	0
2014	12,431	10,616	1,550	265	9,345	8,730	562	53	52	38	14	0	68	49	14	5	51	37	10	†
2013	12,351	10,596	1,531	224	9,453	8,868	529	56	54	44	9	†	66	47	18	†	52	42	10	0
2012	12,052	10,336	1,475	241	8,876	8,290	538	48	57	45	10	†	71	54	14	†	51	42	8	†
2011	12,039	10,330	1,479	230	9,005	8,476	496	33	62	53	8	†	69	54	12	†	63	51	10	†
2010	12,058	10,425	1,424	209	8,803	8,291	469	43	52	47	†	†	71	60	10	†	78	58	18	†
2009	12,280	10,553	1,523	204	8,704	8,173	489	42	58	53	5	0	72	53	17	†	65	49	16	0
2008	12,595	10,791	1,579	225	8,897	8,378	473	46	39	30	9	0	87	72	15	0	59	49	8	†
2007	12,437	10,545	1,591	301	8,570	8,083	454	33	38	31	7	0	76	61	13	†	59	45	13	†
2006	12,499	10,582	1,601	316	8,434	7,917	481	36	49	40	8	†	70	50	19	†	67	56	11	0
2005	11,573	9,839	1,481	253	8,496	8,019	442	35	54	43	10	†	81	66	15	0	70	56	13	†
2004	11,514	9,762	1,508	244	8,079	7,609	437	33	40	30	10	0	53	41	10	†	73	56	15	†
2003	11,384	9,771	1,393	220	8,439	7,973	425	41	55	44	6	5	76	63	11	†	75	62	9	†
2002	11,045	9,467	1,393	185	8,473	8,003	433	37	51	41	9	†	81	66	12	†	70	57	13	0
2001	10,947	9,392	1,363	192	8,252	7,839	385	28	43	30	12	†	73	63	10	0	63	51	11	†
2000	10,946	9,438	1,326	182	8,071	7,668	366	37	55	47	6	†	63	49	13	†	101	81	20	0
1999	10,778	9,353	1,274	151	8,082	7,618	429	35	62	50	9	†	71	54	16	†	78	64	13	†
1998	10,789	9,449	1,172	168	7,985	7,615	345	25	76	66	9	†	82	68	11	†	68	56	11	†
1997	10,838	9,389	1,290	159	7,745	7,386	336	23	49	40	9	0	74	55	18	†	88	77	11	0
1996	10,840	9,471	1,208	161	7,696	7,349	317	30	58	50	7	†	75	63	10	†	81	71	8	†
1995	11,136	9,843	1,140	153	7,626	7,237	360	29	67	61	†	†	79	70	6	†	106	88	17	†
1994	11,062	9,719	1,201	142	7,342	6,979	331	32	52	44	5	†	82	69	11	†	79	67	11	†
1993	11,362	9,970	1,247	145	7,468	7,118	322	28	74	67	7	0	84	68	13	†	89	74	15	0
1992	11,468	9,967	1,355	146	7,073	6,739	308	26	84	71	11	†	85	65	15	5	105	85	18	†
1991	11,498	10,010	1,363	125	7,004	6,637	339	28	90	77	9	†	82	61	20	†	88	72	16	0
1990	12,580	10,889	1,488	203	9,939	9,245	634	60	78	64	12	†	75	57	16	†	77	67	10	0
1989	12,431	10,616	1,550	265	9,345	8,730	562	53	86	64	21	†	68	49	14	5	51	37	10	†

\* Any racial category may include "Hispanic"; Live birth and fetal deaths are shown by race of the mother.

^ American Indian or Alaska Native

\*\* Ages 1-17 years, inclusive.

† Frequency is fewer than five.

**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2015**

Item		Montana		Beaverhead		Big Horn		Blaine		Broadwater		Carbon		Carter	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	1,032,949	0	9,300	0	13,242	0	6,577	0	5,689	0	10,408	0	1,180	0
Natural Increase*	Natural Increase	2,641	2.6	7	†	164	12.4	51	7.8	015	†	047	04.5	5	†
Births - Residence	Live Births, Total	12,580	12.2	90	9.7	300	22.7	124	18.9	46	8.1	63	6.1	12	†
	Live Births, Male	6,389	6.2	50	5.4	155	11.7	61	9.3	27	4.7	23	2.2	†	†
	Live Births, Female	6,191	6.0	40	4.3	145	11.0	63	9.6	19	†	40	3.8	10	†
Deaths - Residence	Deaths (Excluding Fetal), Total	9,939	9.6	83	8.9	136	10.3	73	11.1	61	10.7	110	10.6	7	†
	Deaths (Excluding Fetal), Male	5,252	5.1	45	4.8	69	5.2	41	6.2	37	6.5	69	6.6	†	†
	Deaths (Excluding Fetal), Female	4,687	4.5	38	4.1	67	5.1	32	4.9	24	4.2	41	3.9	5	†
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	75	6.0	†	†	†	†	0	†	0	†	†	†	0	†
	Neonatal (Under 28 Days)	45	3.6	†	†	†	†	0	†	0	†	†	†	0	†
	Postneonatal (28 Days - 1 Year)	30	2.4	0	†	†	†	0	†	0	†	0	†	0	†
	Fetal	45	3.6	0	†	†	†	0	†	†	†	0	†	0	†
	Perinatal	90	7.2	†	†	†	†	0	†	†	†	†	†	0	†
Leading Causes of Death - Residence****	Malignant neoplasms	2,130	206.2	21	225.8	22	166.1	10	†	21	369.1	22	211.4	†	†
	Diseases of heart	2,104	203.7	17	†	19	†	9	†	8	†	31	297.8	†	†
	Influenza and pneumonia	184	17.8	†	†	†	†	†	†	†	†	0	†	0	†
	Intentional self-harm (suicide)	271	26.2	†	†	†	†	†	†	†	†	†	†	0	†
	Cerebrovascular diseases	458	44.3	†	†	†	†	†	†	5	†	6	†	†	†
	Chronic liver disease and cirrhosis	179	17.3	0	†	11	†	6	†	†	†	†	†	0	†
	Accidents (unintentional injuries)	632	61.2	7	†	19	†	7	†	6	†	8	†	†	†
	Chronic lower respiratory diseases	678	65.6	5	†	5	†	†	†	†	†	†	†	0	†
	Alzheimer's disease	277	26.8	†	†	†	†	†	†	†	†	†	†	0	†
	Diabetes mellitus	321	31.1	†	†	10	†	5	†	†	†	†	†	0	†
Births - Occurrence	Live Births, Total	12,523	12.1	65	7.0	17	†	†	†	†	†	†	†	0	†
Deaths - Occurrence	Deaths (Excluding Fetal), Total	9,904	9.6	87	9.4	87	6.6	47	7.1	39	6.9	80	7.7	8	†
	Accidental	648	0.6	10	†	16	†	7	†	5	†	11	†	†	†
	Motor Vehicle	237	0.2	†	†	13	†	†	†	†	†	7	†	†	†
	Other Accidental	411	0.4	7	†	†	†	†	†	†	†	†	†	0	†
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	63	5.0	0	†	†	†	0	†	0	†	0	†	0	†
Marriages - Occurrence	Marriages Solemnized	8,223	8.0	46	4.9	65	4.9	22	3.3	41	7.2	138	13.3	9	†
	Licenses Issued	8,223	8.0	51	5.5	63	4.8	21	3.2	31	5.4	85	8.2	9	†
Marital Terminations - Occurrence	Marital Terminations	3,536	3.4	23	2.5	7	†	†	†	10	†	31	3.0	†	†

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2015**

Item		Cascade		Chouteau		Custer		Daniels		Dawson		Deer Lodge		Fallon	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	82,278	0	5,767	0	12,135	0	1,760	0	9,625	0	9,139	0	3,190	0
Natural Increase*	Natural Increase	289	3.5	†	‡	6	‡	011	‡	18	‡	043	04.7	10	‡
Births - Residence	Live Births, Total	1,156	14.0	58	10.1	165	13.6	12	‡	130	13.5	85	9.3	46	14.4
	Live Births, Male	607	7.4	28	4.9	85	7.0	6	‡	57	5.9	49	5.4	22	6.9
	Live Births, Female	549	6.7	30	5.2	80	6.6	6	‡	73	7.6	36	3.9	24	7.5
Deaths - Residence	Deaths (Excluding Fetal), Total	867	10.5	54	9.4	159	13.1	23	13.1	112	11.6	128	14.0	36	11.3
	Deaths (Excluding Fetal), Male	454	5.5	29	5.0	79	6.5	14	‡	60	6.2	65	7.1	21	6.6
	Deaths (Excluding Fetal), Female	413	5.0	25	4.3	80	6.6	9	‡	52	5.4	63	6.9	15	‡
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	6	‡	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	†	‡	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	†	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	†	‡	†	‡	0	‡	0	‡	0	‡	0	‡	†	‡
	Perinatal	7	‡	†	‡	0	‡	0	‡	†	‡	0	‡	†	‡
Leading Causes of Death - Residence****	Malignant neoplasms	180	218.8	5	‡	27	222.5	†	‡	25	259.7	26	284.5	7	‡
	Diseases of heart	163	198.1	11	‡	44	362.6	†	‡	18	‡	26	284.5	9	‡
	Influenza and pneumonia	10	‡	†	‡	†	‡	†	‡	†	‡	†	‡	0	‡
	Intentional self-harm (suicide)	20	24.3	0	‡	†	‡	0	‡	†	‡	†	‡	†	‡
	Cerebrovascular diseases	40	48.6	†	‡	10	‡	†	‡	5	‡	†	‡	0	‡
	Chronic liver disease and cirrhosis	18	‡	0	‡	†	‡	0	‡	†	‡	†	‡	0	‡
	Accidents (unintentional injuries)	54	65.6	6	‡	10	‡	†	‡	6	‡	9	‡	†	‡
	Chronic lower respiratory diseases	74	89.9	†	‡	7	‡	†	‡	†	‡	9	‡	†	‡
	Alzheimer's disease	52	63.2	†	‡	†	‡	0	‡	5	‡	†	‡	†	‡
Births - Occurrence	Live Births, Total	1,574	19.1	†	‡	301	24.8	0	‡	97	10.1	198	21.7	0	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	1,006	12.2	44	7.6	145	11.9	18	‡	110	11.4	116	12.7	29	9.1
	Accidental	67	0.8	9	‡	9	‡	†	‡	5	‡	9	‡	0	‡
	Motor Vehicle	16	‡	7	‡	†	‡	0	‡	†	‡	†	‡	0	‡
	Other Accidental	51	0.6	†	‡	7	‡	†	‡	†	‡	5	‡	0	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	7	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	585	7.1	32	5.5	62	5.1	10	‡	58	6.0	65	7.1	15	‡
	Licenses Issued	659	8.0	24	4.2	60	4.9	11	‡	57	5.9	47	5.1	20	6.3
Marital Terminations - Occurrence	Marital Terminations	371	4.5	6	‡	29	2.4	7	‡	6	‡	12	‡	14	‡

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.



**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2015**

Item		Fergus		Flathead		Gallatin		Garfield		Glacier		Golden		Granite	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	11,427	0	96,165	0	100,739	0	1,314	0	13,647	0	827	0	3,240	0
Natural Increase*	Natural Increase	023	02	232	2.4	687	6.8	05	‡	102	7.5	†	‡	011	‡
Births - Residence	Live Births, Total	143	12.5	1,154	12.0	1,200	11.9	16	‡	237	17.4	8	‡	19	‡
	Live Births, Male	77	6.7	588	6.1	612	6.1	8	‡	108	7.9	†	‡	10	‡
	Live Births, Female	66	5.8	566	5.9	588	5.8	8	‡	129	9.5	5	‡	9	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	166	14.5	922	9.6	513	5.1	21	16.0	135	9.9	6	‡	30	9.3
	Deaths (Excluding Fetal), Male	80	7.0	475	4.9	277	2.7	16	‡	66	4.8	†	‡	21	6.5
	Deaths (Excluding Fetal), Female	86	7.5	447	4.6	236	2.3	5	‡	69	5.1	†	‡	9	‡
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	†	‡	6	‡	†	‡	0	‡	†	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	†	‡	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡
	Fetal	†	‡	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡
	Perinatal	†	‡	5	‡	5	‡	0	‡	†	‡	0	‡	0	‡
Leading Causes of Death - Residence****	Malignant neoplasms	27	236.3	222	230.9	90	89.3	†	‡	26	190.5	†	‡	10	‡
	Diseases of heart	37	323.8	174	180.9	110	109.2	10	‡	20	146.6	†	‡	8	‡
	Influenza and pneumonia	†	‡	18	‡	12	‡	0	‡	†	‡	0	‡	0	‡
	Intentional self-harm (suicide)	†	‡	24	25.0	17	‡	0	‡	†	‡	0	‡	†	‡
	Cerebrovascular diseases	8	‡	48	49.9	32	31.8	†	‡	†	‡	†	‡	†	‡
	Chronic liver disease and cirrhosis	†	‡	12	‡	5	‡	0	‡	9	‡	0	‡	0	‡
	Accidents (unintentional injuries)	7	‡	53	55.1	31	30.8	†	‡	14	‡	0	‡	†	‡
	Chronic lower respiratory diseases	23	201.3	64	66.6	28	27.8	0	‡	†	‡	†	‡	†	‡
	Alzheimer's disease	†	‡	12	‡	9	‡	0	‡	†	‡	0	‡	0	‡
Births - Occurrence	Live Births, Total	106	9.3	1,270	13.2	1,367	13.6	0	‡	155	11.4	0	‡	†	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	157	13.7	980	10.2	519	5.2	18	‡	88	6.4	†	‡	27	8.3
	Accidental	8	‡	51	0.5	27	0.3	†	‡	11	‡	0	‡	†	‡
	Motor Vehicle	†	‡	15	‡	11	‡	†	‡	5	‡	0	‡	†	‡
	Other Accidental	†	‡	36	0.4	16	‡	†	‡	6	‡	0	‡	0	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	†	‡	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	66	5.8	1,782	18.5	861	8.5	5	‡	92	6.7	†	‡	25	7.7
	Licenses Issued	70	6.1	1,787	18.6	923	9.2	†	‡	69	5.1	†	‡	19	‡
Marital Terminations - Occurrence	Marital Terminations	51	4.5	424	4.4	283	2.8	†	‡	31	2.3	0	‡	†	‡

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2015**

Item		Hill		Jefferson		Judith		Lake		Lewis & Clark		Liberty		Lincoln	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	16,572	0	11,645	0	1,926	0	29,457	0	66,418	0	2,408	0	19,052	0
Natural Increase*	Natural Increase	143	8.6	022	01.9	†	‡	†	‡	188	2.8	†	‡	0108	05.7
Births - Residence	Live Births, Total	302	18.2	91	7.8	15	‡	337	11.4	788	11.9	28	11.6	156	8.2
	Live Births, Male	130	7.8	46	4.0	5	‡	171	5.8	402	6.1	16	‡	79	4.1
	Live Births, Female	172	10.4	45	3.9	10	‡	166	5.6	386	5.8	12	‡	77	4.0
Deaths - Residence	Deaths (Excluding Fetal), Total	159	9.6	113	9.7	17	‡	334	11.3	600	9.0	29	12.0	264	13.9
	Deaths (Excluding Fetal), Male	88	5.3	55	4.7	9	‡	197	6.7	323	4.9	10	‡	145	7.6
	Deaths (Excluding Fetal), Female	71	4.3	58	5.0	8	‡	137	4.7	277	4.2	19	‡	119	6.2
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	†	‡	0	‡	0	‡	†	‡	8	‡	0	‡	0	‡
	Perinatal	†	‡	0	‡	0	‡	7	‡	11	‡	0	‡	0	‡
Leading Causes of Death - Residence****	Malignant neoplasms	35	211.2	30	257.6	†	‡	72	244.4	137	206.3	6	‡	66	346.4
	Diseases of heart	40	241.4	26	223.3	†	‡	78	264.8	118	177.7	12	‡	62	325.4
	Influenza and pneumonia	†	‡	5	‡	0	‡	6	‡	14	‡	†	‡	†	‡
	Intentional self-harm (suicide)	†	‡	†	‡	0	‡	15	‡	18	‡	0	‡	10	‡
	Cerebrovascular diseases	7	‡	†	‡	†	‡	18	‡	19	‡	†	‡	16	‡
	Chronic liver disease and cirrhosis	†	‡	0	‡	0	‡	9	‡	10	‡	†	‡	5	‡
	Accidents (unintentional injuries)	14	‡	5	‡	†	‡	22	74.7	48	72.3	0	‡	8	‡
	Chronic lower respiratory diseases	13	‡	†	‡	†	‡	18	‡	36	54.2	†	‡	15	‡
	Alzheimer's disease	0	‡	5	‡	0	‡	5	‡	18	‡	0	‡	10	‡
Births - Occurrence	Live Births, Total	405	24.4	†	‡	0	‡	288	9.8	833	12.5	†	‡	111	5.8
Deaths - Occurrence	Deaths (Excluding Fetal), Total	138	8.3	78	6.7	11	‡	254	8.6	616	9.3	24	10.0	217	11.4
	Accidental	14	‡	†	‡	5	‡	13	‡	45	0.7	0	‡	6	‡
	Motor Vehicle	7	‡	†	‡	†	‡	5	‡	14	‡	0	‡	†	‡
	Other Accidental	7	‡	0	‡	†	‡	8	‡	31	0.5	0	‡	†	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	89	5.4	66	5.7	10	‡	213	7.2	455	6.9	20	8.3	132	6.9
	Licenses Issued	95	5.7	29	2.5	10	‡	132	4.5	480	7.2	12	‡	109	5.7
Marital Terminations - Occurrence	Marital Terminations	37	2.2	19	‡	9	‡	69	2.3	281	4.2	0	‡	73	3.8

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2015**

Item		McCone		Madison		Meagher		Mineral		Missoula		Musselshell		Park	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	1,683	0	7,915	0	1,830	0	4,251	0	114,181	0	4,582	0	15,972	0
Natural Increase*	Natural Increase	†	‡	013	‡	011	‡	023	05.4	385	3.4	07	‡	08	‡
Births - Residence	Live Births, Total	18	‡	64	8.1	17	‡	46	10.8	1,264	11.1	46	10.0	151	9.5
	Live Births, Male	12	‡	30	3.8	7	‡	22	5.2	619	5.4	22	4.8	75	4.7
	Live Births, Female	6	‡	34	4.3	10	‡	24	5.6	645	5.6	24	5.2	76	4.8
Deaths - Residence	Deaths (Excluding Fetal), Total	16	‡	77	9.7	28	15.3	69	16.2	879	7.7	53	11.6	159	10.0
	Deaths (Excluding Fetal), Male	9	‡	44	5.6	16	‡	45	10.6	457	4.0	32	7.0	79	4.9
	Deaths (Excluding Fetal), Female	7	‡	33	4.2	12	‡	24	5.6	422	3.7	21	4.6	80	5.0
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	†	‡	8	‡	0	‡	†	‡
	Neonatal (Under 28 Days)	0	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡	†	‡
	Fetal	0	‡	†	‡	0	‡	0	‡	†	‡	0	‡	†	‡
	Perinatal	0	‡	†	‡	0	‡	†	‡	6	‡	0	‡	†	‡
Leading Causes of Death - Residence****	Malignant neoplasms	†	‡	24	303.2	7	‡	13	‡	198	173.4	10	‡	33	206.6
	Diseases of heart	†	‡	17	‡	†	‡	14	‡	192	168.2	17	‡	28	175.3
	Influenza and pneumonia	†	‡	†	‡	†	‡	0	‡	10	‡	†	‡	†	‡
	Intentional self-harm (suicide)	0	‡	†	‡	0	‡	†	‡	25	21.9	†	‡	8	‡
	Cerebrovascular diseases	†	‡	†	‡	†	‡	5	‡	49	42.9	†	‡	5	‡
	Chronic liver disease and cirrhosis	0	‡	0	‡	0	‡	0	‡	17	‡	†	‡	†	‡
	Accidents (unintentional injuries)	†	‡	†	‡	†	‡	7	‡	48	42.0	5	‡	17	‡
	Chronic lower respiratory diseases	†	‡	6	‡	†	‡	†	‡	59	51.7	6	‡	12	‡
	Alzheimer's disease	0	‡	†	‡	†	‡	0	‡	24	21.0	0	‡	8	‡
Births - Occurrence	Live Births, Total	0	‡	†	‡	0	‡	†	‡	1,733	15.2	†	‡	104	6.5
Deaths - Occurrence	Deaths (Excluding Fetal), Total	11	‡	65	8.2	16	‡	56	13.2	1,081	9.5	38	8.3	141	8.8
	Accidental	†	‡	†	‡	†	‡	6	‡	67	0.6	†	‡	15	‡
	Motor Vehicle	0	‡	†	‡	0	‡	†	‡	16	‡	†	‡	†	‡
	Other Accidental	†	‡	0	‡	†	‡	†	‡	51	0.4	†	‡	11	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	10	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	7	‡	88	11.1	13	‡	37	8.7	783	6.9	34	7.4	181	11.3
	Licenses Issued	11	‡	51	6.4	9	‡	26	6.1	910	8.0	33	7.2	140	8.8
Marital Terminations - Occurrence	Marital Terminations	†	‡	29	3.7	†	‡	16	‡	503	4.4	13	‡	102	6.4

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2015**

Item		Petroleum		Phillips		Pondera		Powder River		Powell		Prairie		Ravalli	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	475	0	4,169	0	6,184	0	1,773	0	6,840	0	1,160	0	41,373	0
Natural Increase*	Natural Increase	0	‡	11	‡	6	‡	†	‡	07	‡	†	‡	021	00.5
Births - Residence	Live Births, Total	†	‡	54	13.0	63	10.2	20	11.3	64	9.4	13	‡	399	9.6
	Live Births, Male	†	‡	32	7.7	36	5.8	12	‡	29	4.2	†	‡	199	4.8
	Live Births, Female	0	0	22	5.3	27	4.4	8	‡	35	5.1	9	‡	200	4.8
Deaths - Residence	Deaths (Excluding Fetal), Total	†	‡	43	10.3	57	9.2	24	13.5	71	10.4	15	‡	420	10.2
	Deaths (Excluding Fetal), Male	†	‡	20	4.8	26	4.2	11	‡	48	7.0	8	‡	220	5.3
	Deaths (Excluding Fetal), Female	0	0	23	5.5	31	5.0	13	‡	23	3.4	7	‡	200	4.8
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡	†	‡
	Neonatal (Under 28 Days)	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡	†	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	†	‡
	Fetal	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡	0	‡
	Perinatal	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡	†	‡
Leading Causes of Death - Residence****	Malignant neoplasms	0	‡	6	‡	16	‡	†	‡	18	‡	7	‡	100	241.7
	Diseases of heart	†	‡	8	‡	9	‡	10	‡	14	‡	†	‡	75	181.3
	Influenza and pneumonia	0	‡	†	‡	†	‡	†	‡	†	‡	0	‡	10	‡
	Intentional self-harm (suicide)	0	‡	5	‡	†	‡	†	‡	†	‡	0	‡	11	‡
	Cerebrovascular diseases	0	‡	†	‡	†	‡	0	‡	5	‡	0	‡	23	55.6
	Chronic liver disease and cirrhosis	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡	6	‡
	Accidents (unintentional injuries)	0	‡	5	‡	†	‡	†	‡	†	‡	†	‡	17	‡
	Chronic lower respiratory diseases	0	‡	0	‡	†	‡	0	‡	6	‡	†	‡	23	55.6
	Alzheimer's disease	0	‡	†	‡	†	‡	†	‡	0	‡	†	‡	12	‡
Births - Occurrence	Live Births, Total	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡	163	3.9
Deaths - Occurrence	Deaths (Excluding Fetal), Total	0	‡	37	8.9	42	6.8	19	‡	54	7.9	13	‡	344	8.3
	Accidental	0	‡	†	‡	†	‡	†	‡	†	‡	†	‡	10	‡
	Motor Vehicle	0	‡	†	‡	0	‡	†	‡	†	‡	0	‡	†	‡
	Other Accidental	0	‡	0	‡	†	‡	0	‡	†	‡	†	‡	7	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	†	‡
Marriages - Occurrence	Marriages Solemnized	†	‡	23	5.5	25	4.0	11	‡	40	5.8	5	‡	244	5.9
	Licenses Issued	†	‡	24	5.8	26	4.2	13	‡	34	5.0	†	‡	192	4.6
Marital Terminations - Occurrence	Marital Terminations	†	‡	7	‡	9	‡	†	‡	17	‡	†	‡	155	3.7

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2015**

Item		Richland		Roosevelt		Rosebud		Sanders		Sheridan		Silver Bow		Stillwater	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	11,960	0	11,476	0	9,398	0	11,336	0	3,687	0	34,622	0	9,486	0
Natural Increase*	Natural Increase	99	8.3	113	9.8	64	6.8	034	03	05	‡	052	01.5	029	03.1
Births - Residence	Live Births, Total	182	15.2	245	21.3	161	17.1	121	10.7	54	14.6	394	11.4	71	7.5
	Live Births, Male	100	8.4	127	11.1	82	8.7	67	5.9	32	8.7	212	6.1	38	4.0
	Live Births, Female	82	6.9	118	10.3	79	8.4	54	4.8	22	6.0	182	5.3	33	3.5
Deaths - Residence	Deaths (Excluding Fetal), Total	83	6.9	132	11.5	97	10.3	155	13.7	59	16.0	446	12.9	100	10.5
	Deaths (Excluding Fetal), Male	44	3.7	72	6.3	55	5.9	83	7.3	29	7.9	229	6.6	53	5.6
	Deaths (Excluding Fetal), Female	39	3.3	60	5.2	42	4.5	72	6.4	30	8.1	217	6.3	47	5.0
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	†	‡	†	‡	†	‡	†	‡	0	‡	†	‡	0	‡
	Neonatal (Under 28 Days)	0	‡	†	‡	†	‡	†	‡	0	‡	†	‡	0	‡
	Postneonatal (28 Days - 1 Year)	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡	0	‡
	Fetal	†	‡	0	‡	0	‡	0	‡	†	‡	†	‡	0	‡
	Perinatal	†	‡	†	‡	†	‡	†	‡	†	‡	†	‡	0	‡
Leading Causes of Death - Residence****	Malignant neoplasms	15	‡	20	174.3	18	‡	37	326.4	9	‡	100	288.8	27	284.6
	Diseases of heart	21	175.6	36	313.7	16	‡	39	344.0	18	‡	114	329.3	25	263.5
	Influenza and pneumonia	†	‡	†	‡	†	‡	†	‡	†	‡	9	‡	†	‡
	Intentional self-harm (suicide)	†	‡	†	‡	†	‡	†	‡	†	‡	12	‡	†	‡
	Cerebrovascular diseases	†	‡	†	‡	†	‡	9	‡	†	‡	14	‡	†	‡
	Chronic liver disease and cirrhosis	†	‡	7	‡	8	‡	†	‡	†	‡	7	‡	0	‡
	Accidents (unintentional injuries)	†	‡	12	‡	9	‡	12	‡	†	‡	22	63.5	9	‡
	Chronic lower respiratory diseases	8	‡	†	‡	5	‡	8	‡	†	‡	35	101.1	6	‡
	Alzheimer's disease	5	‡	†	‡	0	‡	†	‡	†	‡	10	‡	†	‡
Births - Occurrence	Live Births, Total	126	10.5	162	14.1	12	‡	33	2.9	†	‡	307	8.9	†	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	66	5.5	102	8.9	60	6.4	109	9.6	56	15.2	447	12.9	72	7.6
	Accidental	†	‡	10	‡	6	‡	10	‡	†	‡	21	0.6	†	‡
	Motor Vehicle	†	‡	†	‡	†	‡	†	‡	†	‡	6	‡	†	‡
	Other Accidental	†	‡	6	‡	†	‡	6	‡	†	‡	15	‡	†	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	†	‡	0	‡	†	‡	0	‡	†	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	84	7.0	44	3.8	28	3.0	76	6.7	20	5.4	213	6.2	71	7.5
	Licenses Issued	97	8.1	41	3.6	32	3.4	57	5.0	23	6.2	240	6.9	51	5.4
Marital Terminations - Occurrence	Marital Terminations	25	2.1	16	‡	17	‡	28	2.5	9	‡	120	3.5	0	‡

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2015**

Item		Sweet Grass		Teton		Toole		Treasure		Valley		Wheatland		Wibaux	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	3,634	0	6,104	0	5,087	0	697	0	7,659	0	2,110	0	1,130	0
Natural Increase*	Natural Increase	08	‡	27	4.4	†	‡	†	‡	5	‡	08	‡	09	‡
Births - Residence	Live Births, Total	34	9.4	80	13.1	60	11.8	13	‡	93	12.1	19	‡	11	‡
	Live Births, Male	17	‡	37	6.1	26	5.1	†	‡	47	6.1	6	‡	6	‡
	Live Births, Female	17	‡	43	7.0	34	6.7	9	‡	46	6.0	13	‡	5	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	42	11.6	53	8.7	56	11.0	12	‡	88	11.5	27	12.8	20	17.7
	Deaths (Excluding Fetal), Male	19	‡	30	4.9	37	7.3	7	‡	47	6.1	15	‡	8	‡
	Deaths (Excluding Fetal), Female	23	6.3	23	3.8	19	‡	5	‡	41	5.4	12	‡	12	‡
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡
	Perinatal	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡
Leading Causes of Death - Residence****	Malignant neoplasms	6	‡	8	‡	14	‡	†	‡	16	‡	8	‡	†	‡
	Diseases of heart	13	‡	13	‡	18	‡	5	‡	22	287.2	5	‡	†	‡
	Influenza and pneumonia	0	‡	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡
	Intentional self-harm (suicide)	†	‡	†	‡	†	‡	†	‡	†	‡	0	‡	0	‡
	Cerebrovascular diseases	†	‡	†	‡	†	‡	0	‡	†	‡	†	‡	†	‡
	Chronic liver disease and cirrhosis	0	‡	0	‡	†	‡	0	‡	†	‡	0	‡	0	‡
	Accidents (unintentional injuries)	†	‡	6	‡	†	‡	†	‡	5	‡	†	‡	0	‡
	Chronic lower respiratory diseases	7	‡	7	‡	†	‡	†	‡	7	‡	†	‡	†	‡
	Alzheimer's disease	0	‡	†	‡	0	‡	0	‡	8	‡	0	‡	0	‡
Births - Occurrence	Live Births, Total	0	‡	0	‡	40	7.9	0	‡	129	16.8	0	‡	0	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	37	10.2	39	6.4	44	8.6	†	‡	75	9.8	14	‡	13	‡
	Accidental	†	‡	6	‡	†	‡	0	‡	7	‡	†	‡	0	‡
	Motor Vehicle	†	‡	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡
	Other Accidental	†	‡	†	‡	†	‡	0	‡	†	‡	†	‡	0	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	40	11.0	37	6.1	26	5.1	†	‡	62	8.1	16	‡	†	‡
	Licenses Issued	34	9.4	37	6.1	27	5.3	†	‡	63	8.2	11	‡	†	‡
Marital Terminations - Occurrence	Marital Terminations	18	‡	14	‡	16	‡	†	‡	18	‡	†	‡	0	‡

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2015**

Item		Yellowstone	
		Number	Rate
Population	Population	157,048	0
Natural Increase*	Natural Increase	545	3.5
Births - Residence	Live Births, Total	2,039	13.0
	Live Births, Male	1,060	6.7
	Live Births, Female	979	6.2
Deaths - Residence	Deaths (Excluding Fetal), Total	1,494	9.5
	Deaths (Excluding Fetal), Male	755	4.8
	Deaths (Excluding Fetal), Female	739	4.7
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	17	‡
	Neonatal (Under 28 Days)	11	‡
	Postneonatal (28 Days - 1 Year)	6	‡
	Fetal	†	‡
	Perinatal	14	‡
Leading Causes of Death - Residence****	Malignant neoplasms	311	198.0
	Diseases of heart	302	192.3
	Influenza and pneumonia	32	20.4
	Intentional self-harm (suicide)	38	24.2
	Cerebrovascular diseases	67	42.7
	Chronic liver disease and cirrhosis	20	12.7
	Accidents (unintentional injuries)	87	55.4
	Chronic lower respiratory diseases	125	79.6
	Alzheimer's disease	52	33.1
Births - Occurrence	Live Births, Total	2,907	18.5
	Deaths (Excluding Fetal), Total	1,904	12.1
	Accidental	115	0.7
Deaths - Occurrence	Motor Vehicle	32	0.2
	Other Accidental	83	0.5
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	21	7.2
Marriages - Occurrence	Marriages Solemnized	1,041	6.6
	Licenses Issued	1,149	7.3
Marital Terminations - Occurrence	Marital Terminations	588	3.7

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-5**  
**Frequency and Age-Specific Rate\* of Live Births, Fetal Deaths**  
**and Induced Abortions\*\* by Year and age of Mother or Parent**  
**Montana Residents, 1990-2015**

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
2015	Live Births	Number	12,580	777	2,866	3,915	3,375	1,647	0
		Rate*	67.3	25.5	81.1	123.4	104.7	28.7	0
	Fetal Deaths	Number	45	6	7	8	14	10	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,397	176	439	370	233	178	0
		Rate*	7.4	5.7	12.4	11.6	7.2	3.1	0
2014	Live Births	Number	12,431	813	2,928	3,918	3,232	1,539	†
		Rate*	67.0	26.5	82.8	126.3	101.0	27.2	‡
	Fetal Deaths	Number	52	†	18	17	8	7	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,464	197	498	378	220	171	0
		Rate*	7.8	6.4	14.0	12.1	6.8	3.0	0
2013	Live Births	Number	12,351	859	3,165	3,877	2,988	1,462	0
		Rate*	67.1	27.9	90.5	125.7	95.6	25.9	0
	Fetal Deaths	Number	54	†	7	20	15	9	0
		Rate*	0.2	‡	‡	0.6	‡	‡	0
	Induced Abortions	Number	1,622	227	536	389	265	205	0
		Rate*	8.8	7.3	15.3	12.6	8.4	3.6	0
2012	Live Births	Number	12,052	896	3,066	3,728	2,923	1,439	0
		Rate*	66.1	28.7	89.7	121.1	96.1	25.8	0
	Fetal Deaths	Number	57	8	17	15	9	8	0
		Rate*	0.3	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,802	270	624	429	262	217	0
		Rate*	9.8	8.6	18.2	13.9	8.6	3.9	0
2011	Live Births	Number	12,039	935	3,206	3,725	2,848	1,324	†
		Rate*	66.5	29.4	96.4	119.8	96.2	23.9	‡
	Fetal Deaths	Number	62	11	14	18	8	10	†
		Rate*	0.3	‡	‡	‡	‡	‡	‡
	Induced Abortions	Number	1,875	304	654	433	270	214	0
		Rate*	10.3	9.5	19.6	13.9	9.1	3.8	0
2010	Live Births	Number	12,058	1,141	3,137	3,624	2,772	1,383	†
		Rate*	67.0	35.5	96.8	116.8	96.4	24.8	‡
	Fetal Deaths	Number	52	10	11	12	13	6	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,892	308	675	443	244	222	0
		Rate*	10.5	9.5	20.8	14.2	8.4	3.9	0
2009	Live Births	Number	12,280	1,267	3,318	3,769	2,624	1,302	0
		Rate*	68.2	38.4	102.5	123.9	94.0	23.1	0
	Fetal Deaths	Number	58	7	10	14	15	11	0
		Rate*	0.3	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,946	363	659	471	241	212	0
		Rate*	10.8	11.0	20.3	15.4	8.6	3.7	0
2008	Live Births	Number	12,595	1,321	3,458	3,884	2,605	1,327	0
		Rate*	69.5	39.2	105.3	131.1	96.8	22.8	0
	Fetal Deaths	Number	39	9	†	5	6	15	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,916	370	688	427	240	190	0
		Rate*	10.5	10.9	20.9	14.4	8.9	3.2	0
2007	Live Births	Number	12,437	1,207	3,486	3,756	2,555	1,433	0
		Rate*	68.7	35.4	106.0	132.0	98.2	24.0	0
	Fetal Deaths	Number	38	6	†	12	7	9	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,977	374	732	423	224	224	0
		Rate*	10.9	10.9	22.2	14.8	8.6	3.7	0

\* Per 1,000 females in the designated age group. Female population aged 15-44 is used as the denominator for the total.

\*\* These events are the only pregnancy outcomes reported in Montana. Thus, this table does not include induced abortions performed outside Montana on Montana residents or early fetal deaths (when the fetus weighed less than 350 grams or the gestation was less than 20 weeks).

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.



**Table S-5**  
**Frequency and Age-Specific Rate\* of Live Births, Fetal Deaths**  
**and Induced Abortions\*\* by Year and age of Mother or Parent**  
**Montana Residents, 1990-2015**

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
2006	Live Births	Number	12,499	1,289	3,528	3,728	2,515	1,439	0
		Rate*	69.1	37.7	103.9	141.9	97.3	23.7	0
	Fetal Deaths	Number	49	6	9	13	10	11	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,960	385	732	413	212	217	0
		Rate*	10.8	11.2	21.5	15.7	8.2	3.5	0
2005	Live Births	Number	11,573	1,201	3,314	3,318	2,370	1,368	†
		Rate*	63.9	34.9	98.8	132.3	90.4	22.1	‡
	Fetal Deaths	Number	54	†	18	17	8	10	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,981	428	691	385	263	213	0
		Rate*	10.9	12.4	20.6	15.3	10.0	3.4	0
2004	Live Births	Number	11,514	1,225	3,327	3,233	2,398	1,331	0
		Rate*	63.6	35.6	102.2	132.4	91.4	21.0	0
	Fetal Deaths	Number	40	†	8	11	10	7	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	2,089	420	733	446	230	259	0
		Rate*	11.5	12.2	22.5	18.2	8.7	4.0	0
2003	Live Births	Number	11,384	1,211	3,124	3,259	2,435	1,353	†
		Rate*	62.8	34.9	98.9	138.4	92.5	20.7	‡
	Fetal Deaths	Number	55	7	17	13	9	9	0
		Rate*	0.3	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,979	432	677	412	227	227	0
		Rate*	10.9	12.4	21.4	17.5	8.6	3.4	0
2002	Live Births	Number	11,045	1,277	3,155	3,028	2,319	1,263	†
		Rate*	60.7	36.6	104.4	130.8	88.0	18.7	‡
	Fetal Deaths	Number	51	†	17	11	13	6	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	2,052	456	689	381	271	255	0
		Rate*	11.2	13.1	22.8	16.4	10.2	3.7	0
2001	Live Births	Number	10,947	1,266	3,094	2,948	2,315	1,315	9
		Rate*	59.6	35.8	107.8	125.0	88.2	18.8	‡
	Fetal Deaths	Number	43	7	11	8	9	6	†
		Rate*	0.2	‡	‡	‡	‡	‡	‡
	Induced Abortions	Number	2,082	480	702	355	265	273	7
		Rate*	11.3	13.5	24.4	15.0	10.1	3.9	‡
2000	Live Births	Number	10,946	1,273	3,067	3,051	2,190	1,365	0
		Rate*	59.0	36.7	108.7	124.6	83.8	18.9	0
	Fetal Deaths	Number	55	9	17	13	10	6	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	2,118	490	740	370	253	264	0
		Rate*	11.4	14.1	26.2	15.1	9.6	3.6	0
1999	Live Births	Number	10,778	1,258	2,977	3,013	2,164	1,362	†
		Rate*	57.9	36.2	106.9	122.9	83.0	18.6	‡
	Fetal Deaths	Number	62	†	17	22	12	7	0
		Rate*	0.3	‡	‡	0.8	‡	‡	0
	Induced Abortions	Number	2,139	549	659	407	244	278	0
		Rate*	11.4	15.8	23.6	16.6	9.3	3.8	0
1998	Live Births	Number	10,789	1,337	2,998	2,959	2,192	1,301	†
		Rate*	57.5	38.5	108.5	121.6	82.0	17.5	‡
	Fetal Deaths	Number	76	13	14	24	9	15	†
		Rate*	0.4	‡	‡	0.9	‡	‡	‡
	Induced Abortions	Number	2,159	498	710	418	247	283	†
		Rate*	11.5	14.3	25.7	17.1	9.2	3.8	‡
1997	Live Births	Number	10,838	1,327	2,834	3,065	2,232	1,380	0
		Rate*	57.2	38.6	102.8	127.0	79.8	18.2	0
	Fetal Deaths	Number	49	6	20	12	†	8	0
		Rate*	0.2	‡	0.7	‡	‡	‡	0
	Induced Abortions	Number	2,337	578	705	443	281	307	0
		Rate*	12.3	16.8	25.5	18.3	10.0	4.0	0

\* Per 1,000 females in the designated age group. Female population aged 15-44 is used as the denominator for the total.

\*\* These events are the only pregnancy outcomes reported in Montana. Thus, this table does not include induced abortions performed outside Montana on Montana residents or early fetal deaths (when the fetus weighed less than 350 grams or the gestation was less than 20 weeks).

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-5**  
**Frequency and Age-Specific Rate\* of Live Births, Fetal Deaths**  
**and Induced Abortions\*\* by Year and age of Mother or Parent**  
**Montana Residents, 1990-2015**

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
1996	Live Births	Number	10,840	1,344	2,844	3,045	2,294	1,312	†
		Rate*	57.0	39.7	104.3	127.5	77.9	17.3	‡
	Fetal Deaths	Number	58	10	9	13	12	14	0
		Rate*	0.3	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	2,307	563	700	442	319	283	0
		Rate*	12.1	16.6	25.6	18.5	10.8	3.7	0
1995	Live Births	Number	11,136	1,410	2,950	3,087	2,395	1,294	0
		Rate*	59.0	42.8	109.1	132.0	78.0	17.3	0
	Fetal Deaths	Number	67	11	7	17	21	10	0
		Rate*	0.3	‡	‡	‡	0.6	‡	0
	Induced Abortions	Number	2,244	587	680	394	293	290	0
		Rate*	11.8	17.8	25.1	16.8	9.5	3.8	0
1994	Live Births	Number	11,062	1,337	2,994	3,036	2,429	1,266	0
		Rate*	59.6	42.1	114.0	130.2	76.6	17.4	0
	Fetal Deaths	Number	52	6	11	13	13	8	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	2,310	592	711	386	342	279	0
		Rate*	12.4	18.6	27.0	16.5	10.7	3.8	0
1993	Live Births	Number	11,362	1,413	3,131	3,180	2,449	1,187	†
		Rate*	62.2	46.4	122.7	133.3	75.4	16.8	‡
	Fetal Deaths	Number	74	9	20	21	13	10	†
		Rate*	0.4	‡	0.7	0.8	‡	‡	‡
	Induced Abortions	Number	2,269	570	733	405	309	251	†
		Rate*	12.4	18.7	28.7	16.9	9.5	3.5	‡
1992	Live Births	Number	11,468	1,368	3,096	3,336	2,519	1,149	0
		Rate*	63.9	46.8	125.6	134.6	76.4	16.9	0
	Fetal Deaths	Number	84	†	21	25	21	13	0
		Rate*	0.4	‡	0.8	1.0	0.6	‡	0
	Induced Abortions	Number	2,417	601	740	426	376	274	0
		Rate*	13.4	20.5	30.0	17.1	11.4	4.0	0
1991	Live Births	Number	11,498	1,331	3,197	3,379	2,456	1,134	†
		Rate*	64.7	47.4	133.3	129.0	73.3	17.1	‡
	Fetal Deaths	Number	90	15	14	23	22	15	†
		Rate*	0.5	‡	‡	0.8	0.6	‡	‡
	Induced Abortions	Number	2,376	600	767	443	325	241	0
		Rate*	13.3	21.4	31.9	16.9	9.7	3.6	0
1990	Live Births	Number	11,602	1,344	3,070	3,669	2,481	1,038	0
		Rate*	65.9	48.7	130.4	131.4	72.9	16.4	0
	Fetal Deaths	Number	78	6	19	21	15	17	0
		Rate*	0.4	‡	‡	0.7	‡	‡	0
	Induced Abortions	Number	2,570	705	754	505	356	250	0
		Rate*	14.6	25.5	32.0	18.0	10.4	3.9	0

\* Per 1,000 females in the designated age group. Female population aged 15-44 is used as the denominator for the total.

\*\* These events are the only pregnancy outcomes reported in Montana. Thus, this table does not include induced abortions performed outside Montana on Montana residents or early fetal deaths (when the fetus weighed less than 350 grams or the gestation was less than 20 weeks).

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table P-1**  
**Resident Population By County**  
**Montana, 2002-2015**

County	Year													
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Montana Total</b>	911,667	919,630	930,009	940,102	952,692	964,706	976,415	983,982	990,643	997,746	1,005,157	1,014,402	1,023,252	1,032,949
Beaverhead	9,018	8,924	8,908	8,904	9,012	9,028	9,166	9,200	9,241	9,207	9,351	9,288	9,310	9,300
Big Horn	12,713	12,652	12,731	12,634	12,540	12,549	12,564	12,747	12,907	13,043	12,994	13,113	13,313	13,242
Blaine	6,769	6,699	6,571	6,592	6,536	6,472	6,401	6,445	6,490	6,562	6,643	6,574	6,635	6,577
Broadwater	4,478	4,562	4,711	4,775	4,958	5,089	5,261	5,496	5,626	5,720	5,749	5,670	5,631	5,689
Carbon	9,714	9,747	9,796	9,921	9,916	9,973	9,965	10,033	10,066	10,084	10,124	10,312	10,413	10,408
Carter	1,319	1,290	1,284	1,258	1,227	1,216	1,172	1,180	1,155	1,143	1,176	1,165	1,176	1,180
Cascade	79,848	79,633	80,198	80,041	79,984	80,099	80,529	80,680	81,533	81,772	81,767	82,367	82,268	82,278
Chouteau	5,811	5,775	5,729	5,708	5,709	5,746	5,774	5,793	5,818	5,810	5,936	5,863	5,900	5,767
Custer	11,510	11,438	11,510	11,423	11,395	11,480	11,515	11,646	11,692	11,766	11,839	11,917	12,068	12,135
Daniels	1,912	1,881	1,804	1,782	1,748	1,702	1,704	1,732	1,745	1,773	1,783	1,788	1,801	1,760
Dawson	8,801	8,812	8,764	8,800	8,853	8,944	8,925	9,008	8,938	9,013	9,247	9,399	9,543	9,625
Deer Lodge	9,238	9,189	9,274	9,274	9,180	9,264	9,351	9,260	9,299	9,262	9,223	9,280	9,152	9,139
Fallon	2,725	2,769	2,773	2,712	2,722	2,768	2,807	2,882	2,887	2,930	3,026	3,045	3,111	3,190
Fergus	11,666	11,565	11,546	11,444	11,501	11,463	11,448	11,571	11,588	11,507	11,450	11,524	11,433	11,427
Flathead	77,583	79,643	81,247	83,320	85,759	88,245	90,260	90,910	90,868	91,184	91,616	92,973	94,726	96,165
Gallatin	71,824	74,504	77,124	80,310	83,984	86,620	88,932	89,187	89,626	91,353	92,600	94,647	97,276	100,739
Garfield	1,258	1,254	1,236	1,202	1,233	1,234	1,205	1,187	1,240	1,187	1,278	1,265	1,283	1,314
Glacier	13,101	13,168	13,388	13,264	13,250	13,179	13,109	13,266	13,431	13,563	13,659	13,793	13,698	13,647
Golden	1,012	981	1,001	1,014	973	964	890	897	883	840	842	858	852	827
Granite	2,919	2,931	2,943	3,009	3,013	3,039	3,031	3,057	3,072	3,145	3,108	3,131	3,215	3,240
Hill	16,139	15,988	15,947	15,870	15,981	16,031	15,889	15,981	16,147	16,405	16,435	16,605	16,599	16,572
Jefferson	10,181	10,262	10,511	10,709	10,801	11,040	11,203	11,364	11,393	11,433	11,382	11,497	11,552	11,645
Judith	2,246	2,201	2,196	2,161	2,146	2,083	2,071	2,076	2,064	2,031	2,023	2,012	1,991	1,926
Lake	26,814	27,117	27,634	28,023	28,283	28,235	28,515	28,668	28,778	29,023	29,025	29,078	29,204	29,457
Lewis & Clark	56,271	57,110	58,041	58,529	59,529	60,646	61,747	62,671	63,605	64,258	64,857	65,346	65,904	66,418
Liberty	2,144	2,212	2,263	2,266	2,216	2,236	2,225	2,283	2,355	2,383	2,397	2,374	2,363	2,408
Lincoln	18,669	18,861	18,991	19,180	19,228	19,440	19,541	19,657	19,685	19,606	19,478	19,412	19,139	19,052
McCone	1,828	1,797	1,781	1,778	1,765	1,767	1,720	1,705	1,737	1,711	1,698	1,707	1,704	1,683
Madison	6,935	6,894	6,999	7,211	7,343	7,560	7,674	7,674	7,685	7,695	7,723	7,698	7,806	7,915
Meagher	1,895	1,913	1,935	1,899	1,923	1,908	1,893	1,897	1,889	1,890	1,903	1,921	1,865	1,830
Mineral	3,837	3,936	3,985	4,133	4,211	4,156	4,177	4,200	4,218	4,255	4,169	4,272	4,244	4,251
Missoula	98,968	99,976	100,934	102,298	104,372	106,110	107,747	108,717	109,455	110,160	111,077	111,731	112,681	114,181
Musselshell	4,353	4,361	4,370	4,323	4,398	4,394	4,423	4,478	4,546	4,749	4,682	4,637	4,604	4,582
Park	15,676	15,539	15,509	15,629	15,690	15,828	15,896	15,738	15,587	15,500	15,574	15,641	15,855	15,972
Petroleum	506	506	519	492	495	470	481	488	492	490	509	506	489	475
Phillips	4,383	4,317	4,295	4,228	4,166	4,193	4,182	4,242	4,258	4,198	4,120	4,163	4,186	4,169
Pondera	6,285	6,228	6,140	6,148	6,172	6,169	6,117	6,109	6,166	6,207	6,182	6,247	6,211	6,184
Powder River	1,834	1,837	1,789	1,739	1,794	1,761	1,756	1,738	1,730	1,752	1,758	1,751	1,778	1,773
Powell	6,986	6,893	6,872	6,997	7,115	7,117	7,036	7,093	7,017	7,078	7,087	6,965	6,906	6,840
Prairie	1,173	1,168	1,153	1,098	1,098	1,083	1,123	1,139	1,186	1,155	1,154	1,171	1,140	1,160
Ravalli	37,308	38,184	38,739	39,012	39,555	40,023	40,223	39,956	40,340	40,397	40,625	40,767	40,953	41,373
Richland	9,286	9,195	9,096	9,207	9,267	9,356	9,430	9,679	9,748	10,144	10,805	11,180	11,573	11,960
Roosevelt	10,389	10,344	10,459	10,437	10,285	10,166	10,129	10,334	10,443	10,531	10,891	11,122	11,340	11,476
Rosebud	9,196	9,210	9,136	9,131	9,057	9,089	9,095	9,174	9,249	9,349	9,371	9,307	9,335	9,398
Sanders	10,466	10,554	10,895	11,002	11,178	11,364	11,433	11,471	11,394	11,371	11,371	11,323	11,329	11,336
Sheridan	3,825	3,697	3,683	3,573	3,507	3,469	3,385	3,387	3,371	3,440	3,579	3,652	3,679	3,687
Silver Bow	33,636	33,474	33,416	33,414	33,441	33,489	33,812	34,008	34,230	34,374	34,484	34,536	34,730	34,622
Stillwater	8,441	8,451	8,435	8,481	8,659	8,867	8,945	9,077	9,116	9,167	9,199	9,301	9,287	9,486
Sweet Grass	3,617	3,591	3,676	3,675	3,697	3,778	3,755	3,731	3,623	3,593	3,598	3,674	3,666	3,634
Teton	6,286	6,314	6,209	6,105	6,110	6,143	6,143	6,050	6,079	6,085	6,070	6,063	6,046	6,104
Toole	5,184	5,006	5,069	5,130	5,085	4,969	5,079	5,245	5,342	5,170	5,231	5,127	5,135	5,087
Treasure	793	784	799	766	759	748	754	720	720	721	732	700	696	697
Valley	7,512	7,427	7,422	7,367	7,272	7,332	7,415	7,349	7,373	7,476	7,497	7,627	7,624	7,659
Wheatland	2,193	2,131	2,113	2,086	2,035	2,080	2,151	2,158	2,159	2,140	2,100	2,131	2,096	2,110
Wibaux	1,028	1,020	1,019	995	984	1,014	986	1,030	1,005	989	1,056	1,128	1,125	1,130
Yellowstone	132,165	133,715	135,441	137,623	139,582	141,518	144,255	146,465	148,406	149,865	151,917	154,040	155,588	157,048

Source: National Center for Health Statistics. Bridged-race intercensal estimates of the July 1, 1990-July 1, 1999; July 1, 2000-July 1, 2009. Postcensal estimates of the resident population of the United States for July 1, 2010-July 1, 2014. United States resident population by year, county, single-year of age, sex, bridged race, and Hispanic origin, prepared by the U.S. Census Bureau with support from the National Cancer Institute. Available on the Internet at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm> as of April 24, 2004; Oct 26, 2012; June 30, 2015

**Table B-1**  
**Frequency and Percent\* Distribution of Live Births**  
**by Infant's Sex, Plurality, and Parity**  
**Montana Residents, 2007-2015**

Item		2007		2008		2009		2010		2011		2011		2013		2014		2015	
		Num.	Percent	Num.	Percent	Num.	Percent	Num.	Percent	Num.	Percent	Num.	Percent	Num.	Percent	Num.	Percent	Num.	Percent
<b>Montana Total</b>		<b>12,437</b>	<b>100.0%</b>	<b>12,595</b>	<b>100.0%</b>	<b>12,280</b>	<b>100.0%</b>	<b>12,058</b>	<b>100.0%</b>	<b>12,039</b>	<b>100.0%</b>	<b>12,052</b>	<b>100.0%</b>	<b>12,351</b>	<b>100.0%</b>	<b>12,431</b>	<b>100.0%</b>	<b>12,580</b>	<b>100.0%</b>
<b>Sex</b>	<b>Male</b>	6,366	51.1%	6,463	51.3%	6,265	51.0%	6,124	50.7%	6,097	50.6%	6,159	51.1%	6,346	51.3%	6,322	50.8%	6,389	50.7%
	<b>Female</b>	6,071	48.8%	6,132	48.6%	6,015	48.9%	5,933	49.2%	5,942	49.3%	5,893	48.8%	6,004	48.6%	6,109	49.1%	6,191	49.2%
	<b>Unknown</b>	0	0.0%	0	0.0%	0	0.0%	1	0.0%	0	0.0%	0	0.0%	1	0.0%	0	0.0%	0	0.0%
<b>Plurality</b>	<b>Single</b>	12,034	96.7%	12,203	96.8%	11,903	96.9%	11,691	96.9%	11,671	96.9%	11,664	96.7%	11,979	96.9%	12,002	96.5%	12,142	96.5%
	<b>Twins</b>	397	3.1%	370	2.9%	369	3.0%	358	2.9%	358	2.9%	372	3.0%	359	2.9%	420	3.3%	432	3.4%
	<b>Triplets Or More</b>	6	0.0%	15	0.1%	3	0.0%	7	0.0%	10	0.0%	16	0.1%	12	0.0%	8	0.0%	6	0.0%
	<b>Not Stated</b>	0	0.0%	7	0.0%	5	0.0%	2	0.0%	0	0.0%	0	0.0%	1	0.0%	1	0.0%	0	0.0%
<b>Parity</b>	<b>First Birth</b>	4,952	39.8%	5,102	40.5%	4,906	39.9%	4,702	38.9%	4,616	38.3%	4,661	38.6%	4,647	37.6%	4,619	37.1%	4,680	37.2%
	<b>Second Birth</b>	3,695	29.7%	3,858	30.6%	3,765	30.6%	3,771	31.2%	3,779	31.3%	3,666	30.4%	3,803	30.7%	3,825	30.7%	3,876	30.8%
	<b>Third Birth</b>	2,115	17.0%	2,020	16.0%	2,047	16.6%	2,014	16.7%	2,004	16.6%	2,051	17.0%	2,145	17.3%	2,160	17.3%	2,132	16.9%
	<b>Fourth Birth</b>	961	7.7%	892	7.0%	912	7.4%	865	7.1%	916	7.6%	959	7.9%	975	7.8%	1,020	8.2%	1,069	8.4%
	<b>Fifth Birth</b>	378	3.0%	389	3.0%	339	2.7%	398	3.3%	409	3.3%	379	3.1%	430	3.4%	438	3.5%	450	3.5%
	<b>Sixth Birth</b>	167	1.3%	139	1.1%	154	1.2%	140	1.1%	155	1.2%	176	1.4%	193	1.5%	169	1.3%	190	1.5%
	<b>Seventh Birth</b>	79	0.6%	91	0.7%	66	0.5%	68	0.5%	72	0.5%	65	0.5%	78	0.6%	99	0.7%	89	0.7%
	<b>Eighth Birth</b>	43	0.3%	29	0.2%	20	0.1%	40	0.3%	35	0.2%	43	0.3%	33	0.2%	40	0.3%	38	0.3%
	<b>Ninth Or More</b>	40	0.3%	42	0.3%	38	0.3%	40	0.3%	43	0.3%	36	0.2%	42	0.3%	53	0.4%	53	0.4%
	<b>Not Stated</b>	7	0.0%	33	0.2%	33	0.2%	20	0.1%	10	0.0%	16	0.1%	5	0.0%	8	0.0%	3	0.0%

\* Each percentage has been independently rounded to the nearest tenth of one percent. Hence, the sums of parts may differ slightly from the totals.

**Table B-2**  
**Frequency and Percent Distribution of Live Births**  
**by Type of Facility and Attendant by Year**  
**Montana Occurrences, 1989-2015**

Year	Total	BOA* And In Hospital		Physician Not In Hospital**		Other Not In Hospital	
		Number	Percent	Number	Percent	Number	Percent
2015	12,523	12,015	95.94%	2	0.01%	506	4.04%
2014	12,397	11,909	96.06%	3	0.02%	485	3.91%
2013	12,326	11,768	95.47%	4	0.03%	554	4.49%
2012	12,071	11,594	96.04%	7	0.05%	470	3.89%
2011	12,017	11,554	96.14%	0	0	463	3.85%
2010	12,065	11,646	96.52%	1	0.00%	418	3.46%
2009	12,204	11,753	96.30%	4	0.03%	447	3.66%
2008	12,551	12,073	96.19%	13	0.10%	465	3.70%
2007	12,401	11,958	96.42%	11	0.08%	432	3.48%
2006	12,488	12,102	96.90%	12	0.09%	374	2.99%
2005	11,556	11,263	97.46%	2	0.01%	291	2.51%
2004	11,526	11,262	97.70%	2	0.01%	262	2.27%
2003	11,418	11,139	97.55%	2	0.01%	277	2.42%
2002	11,019	10,763	97.67%	3	0.02%	253	2.29%
2001	10,935	10,657	97.45%	4	0.03%	274	2.50%
2000	10,929	10,638	97.33%	1	0.00%	290	2.65%
1999	10,746	10,438	97.13%	5	0.04%	303	2.81%
1998	10,741	10,433	97.13%	5	0.04%	303	2.82%
1997	10,729	10,420	97.11%	14	0.13%	295	2.74%
1996	10,790	10,449	96.83%	9	0.08%	332	3.07%
1995	11,049	10,693	96.77%	12	0.10%	344	3.11%
1994	10,968	10,624	96.86%	7	0.06%	337	3.07%
1993	11,177	10,866	97.21%	8	0.07%	303	2.71%
1992	11,239	10,883	96.83%	18	0.16%	338	3.00%
1991	11,294	10,941	96.87%	19	0.16%	334	2.95%
1990	11,400	11,118	97.52%	14	0.12%	268	2.35%
1989	11,432	11,149	97.52%	14	0.12%	269	2.35%

\* Born On Arrival

\*\* Newborn was delivered by a medical doctor or osteopath not in a hospital.

**Table B-3**  
**Frequency and Percent\* Distribution of Live Births**  
**by Birth Weight and Year**  
**Montana Residents, 1989-2015**

Year	Total	Less Than 1,000 Grams		1,000 - 1,499 Grams		1,500 - 2,499 Grams		2,500 - 3,999 Grams		4,000 Grams or More		Not Stated	
	Number	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2015	12,580	50	0.3%	55	0.4%	782	6.2%	10,641	84.5%	1,045	8.3%	7	0.0%
2014	12,431	62	0.4%	93	0.7%	768	6.1%	10,502	84.4%	1,004	8.0%	2	0.0%
2013	12,351	44	0.3%	68	0.5%	800	6.4%	10,450	84.6%	983	7.9%	6	0.0%
2012	12,052	62	0.5%	67	0.5%	752	6.2%	10,220	84.7%	945	7.8%	6	0.0%
2011	12,039	56	0.4%	63	0.5%	747	6.2%	10,280	85.3%	886	7.3%	7	0.0%
2010	12,058	75	0.6%	79	0.6%	747	6.1%	10,261	85.0%	890	7.3%	6	0.0%
2009	12,280	49	0.3%	78	0.6%	743	6.0%	10,409	84.7%	992	8.0%	9	0.0%
2008	12,595	65	0.5%	79	0.6%	787	6.2%	10,671	84.7%	989	7.8%	4	0.0%
2007	12,437	75	0.6%	69	0.5%	751	6.0%	10,492	84.3%	1,048	8.4%	2	0.0%
2006	12,499	57	0.4%	92	0.7%	762	6.0%	10,593	84.7%	991	7.9%	4	0.0%
2005	11,573	60	0.5%	54	0.4%	658	5.6%	9,898	85.5%	897	7.7%	6	0.0%
2004	11,514	61	0.5%	66	0.5%	754	6.5%	9,660	83.8%	966	8.3%	7	0.0%
2003	11,384	63	0.5%	55	0.4%	649	5.7%	9,654	84.8%	953	8.3%	10	0.0%
2002	11,045	65	0.5%	60	0.5%	633	5.7%	9,299	84.1%	984	8.9%	4	0.0%
2001	10,947	63	0.5%	64	0.5%	629	5.7%	9,206	84.0%	978	8.9%	7	0.0%
2000	10,946	57	0.5%	54	0.4%	567	5.1%	9,167	83.7%	1,091	9.9%	10	0.0%
1999	10,778	46	0.4%	74	0.6%	616	5.7%	8,918	82.7%	1,119	10.3%	5	0.0%
1998	10,789	51	0.4%	63	0.5%	639	5.9%	9,022	83.6%	1,011	9.3%	3	0.0%
1997	10,838	51	0.4%	61	0.5%	574	5.2%	9,064	83.6%	1,083	9.9%	5	0.0%
1996	10,840	52	0.4%	69	0.6%	573	5.2%	8,986	82.8%	1,151	10.6%	9	0.0%
1995	11,136	54	0.4%	56	0.5%	542	4.8%	9,345	83.9%	1,135	10.1%	4	0.0%
1994	11,062	40	0.3%	56	0.5%	594	5.3%	9,245	83.5%	1,119	10.1%	8	0.0%
1993	11,362	44	0.3%	50	0.4%	587	5.1%	9,538	83.9%	1,137	10.0%	6	0.0%
1992	11,468	37	0.3%	45	0.3%	599	5.2%	9,601	83.7%	1,184	10.3%	2	0.0%
1991	11,498	49	0.4%	36	0.3%	552	4.8%	9,699	84.3%	1,159	10.0%	3	0.0%
1990	11,602	53	0.4%	66	0.5%	593	5.1%	9,714	83.7%	1,172	10.1%	4	0.0%
1989	11,667	47	0.4%	44	0.3%	553	4.7%	9,821	84.1%	1,193	10.2%	9	0.0%

\* Each percentage has been independently rounded to the nearest tenth of one percent. Hence, the sums of parts may differ slightly from the totals.

**Table B-4**  
**Frequency and Percent Distribution of Live Births**  
**by Completed Weeks of Gestation\* and Year**  
**Montana Residents, 1989-2015**

Year	Total	27 or Fewer Weeks		28 - 31 Weeks		32 - 36 Weeks		37 - 39 Weeks		40 - 41 Weeks		42 or More Weeks		Not Stated	
	Number	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.
2015	12,580	56	0.4%	71	0.5%	934	7.4%	7,639	60.7%	3,812	30.3%	56	0.4%	12	0.0%
2014	12,431	63	0.5%	107	0.8%	986	7.9%	7,478	60.1%	3,713	29.8%	67	0.5%	17	0.1%
2013	12,351	57	0.4%	91	0.7%	961	7.7%	7,352	59.5%	3,792	30.7%	76	0.6%	22	0.1%
2012	12,052	70	0.5%	94	0.7%	958	7.9%	7,155	59.3%	3,692	30.6%	65	0.5%	18	0.1%
2011	12,039	55	0.4%	88	0.7%	921	7.6%	7,162	59.4%	3,723	30.9%	73	0.6%	17	0.1%
2010	12,058	87	0.7%	102	0.8%	1,032	8.5%	7,075	58.6%	3,665	30.3%	78	0.6%	19	0.1%
2009	12,280	61	0.4%	92	0.7%	952	7.7%	7,206	58.6%	3,881	31.6%	58	0.4%	30	0.2%
2008	12,595	87	0.6%	94	0.7%	1,062	8.4%	7,422	58.9%	3,794	30.1%	87	0.6%	49	0.3%
2007	12,437	86	0.6%	114	0.9%	1,045	8.4%	7,192	57.8%	3,885	31.2%	88	0.7%	27	0.2%
2006	12,499	67	0.5%	117	0.9%	1,099	8.7%	7,091	56.7%	4,012	32.0%	97	0.7%	16	0.1%
2005	11,573	60	0.5%	72	0.6%	958	8.2%	6,438	55.6%	3,928	33.9%	96	0.8%	21	0.1%
2004	11,514	59	0.5%	90	0.7%	1,004	8.7%	6,296	54.6%	3,979	34.5%	63	0.5%	23	0.1%
2003	11,384	57	0.5%	102	0.8%	911	8.0%	6,000	52.7%	4,196	36.8%	95	0.8%	23	0.2%
2002	11,045	63	0.5%	94	0.8%	869	7.8%	5,750	52.0%	4,143	37.5%	105	0.9%	21	0.1%
2001	10,947	57	0.5%	86	0.7%	856	7.8%	5,560	50.7%	4,234	38.6%	124	1.1%	30	0.2%
2000	10,946	44	0.4%	86	0.7%	806	7.3%	5,384	49.1%	4,445	40.6%	152	1.3%	29	0.2%
1999	10,778	52	0.4%	96	0.8%	808	7.4%	4,958	46.0%	4,620	42.8%	210	1.9%	34	0.3%
1998	10,789	53	0.4%	87	0.8%	792	7.3%	4,803	44.5%	4,795	44.4%	235	2.1%	24	0.2%
1997	10,838	55	0.5%	72	0.6%	726	6.6%	4,764	43.9%	4,932	45.5%	257	2.3%	32	0.2%
1996	10,840	58	0.5%	74	0.6%	737	6.7%	4,658	42.9%	5,071	46.7%	222	2.0%	20	0.1%
1995	11,136	55	0.4%	71	0.6%	704	6.3%	4,747	42.6%	5,283	47.4%	245	2.2%	31	0.2%
1994	11,062	37	0.3%	79	0.7%	697	6.3%	4,604	41.6%	5,311	48.0%	303	2.7%	31	0.2%
1993	11,362	42	0.3%	55	0.4%	695	6.1%	4,607	40.5%	5,612	49.3%	308	2.7%	43	0.3%
1992	11,468	41	0.3%	67	0.5%	666	5.8%	4,552	39.6%	5,770	50.3%	350	3.0%	22	0.1%
1991	11,498	38	0.3%	79	0.6%	627	5.4%	4,102	35.6%	6,226	54.1%	409	3.5%	17	0.1%
1990	11,602	50	0.4%	89	0.7%	640	5.5%	3,971	34.2%	6,381	54.9%	456	3.9%	15	0.1%
1989	11,667	43	0.3%	52	0.4%	633	5.4%	4,091	35.0%	6,272	53.7%	551	4.7%	25	0.2%

\* Clinical estimate of completed weeks of gestational age.

**Table B-5**  
**Frequency of Live Births**  
**by Month Prenatal Care Began\* and Year**  
**Montana Residents, 1989-2015**

Year	Total	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	No Care	Not Stated
2015	12,580	263	3,486	5,091	1,597	744	412	340	298	141	32	125	51
2014	12,431	305	3,492	4,942	1,532	737	441	327	247	146	21	133	108
2013	12,351	296	3,531	4,821	1,519	711	451	330	279	128	30	120	135
2012	12,052	320	3,549	4,856	1,398	632	386	299	227	108	20	89	168
2011	12,039	323	3,545	4,866	1,395	733	387	254	180	98	18	108	132
2010	12,058	351	3,662	4,632	1,360	753	392	259	137	62	13	104	333
2009	12,280	322	3,322	4,417	1,333	655	362	262	163	90	17	86	1,251
2008	12,595	456	3,759	4,439	1,457	653	401	247	190	87	16	98	792
2007	12,437	1,500	5,768	2,945	882	430	262	157	96	37	0	75	285
2006	12,499	1,586	5,645	3,071	920	477	224	171	97	43	0	66	199
2005	11,573	1,361	5,348	2,907	859	433	230	134	62	32	0	72	135
2004	11,514	1,462	5,178	2,873	854	463	268	138	97	25	0	69	87
2003	11,384	1,436	5,269	2,866	811	424	221	123	91	33	0	56	54
2002	11,045	1,300	5,023	2,867	858	397	232	127	80	35	0	61	65
2001	10,947	1,302	5,027	2,686	863	460	229	144	94	24	0	71	47
2000	10,946	1,405	4,997	2,661	819	439	217	160	74	34	0	70	70
1999	10,778	1,524	4,876	2,605	778	404	229	139	89	22	0	72	40
1998	10,789	1,389	4,836	2,617	865	421	266	150	103	75	0	67	0
1997	10,838	1,615	4,704	2,581	836	425	216	180	94	95	0	92	0
1996	10,840	1,670	4,802	2,445	848	431	248	164	78	31	0	71	52
1995	11,136	1,741	4,736	2,567	949	444	269	153	104	63	0	75	35
1994	11,062	1,804	4,751	2,417	958	450	244	162	88	53	0	78	57
1993	11,362	1,696	4,718	2,677	1,000	472	314	202	121	31	0	68	63
1992	11,468	1,586	4,621	2,707	1,074	581	355	222	132	43	0	81	66
1991	11,498	1,526	4,555	2,776	1,105	590	363	221	143	46	0	86	87
1990	11,602	1,545	4,537	2,720	1,119	616	398	279	140	61	0	109	78
1989	11,667	1,466	4,626	2,848	1,090	625	361	267	148	50	0	103	83

\* Month prenatal care began is now calculated, beginning with the revision of the birth certificate in 2008; it is not strictly comparable to the reported figure on the prior revisions of the certificate.



**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	All Ages			Age In Years																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
All Causes**	9,939	5,252	4,687	48	27	5	3	9	5	9	6	9	5	20	6	13	14	45	23	63	21	66	54
I. Certain infectious and parasitic diseases	201	105	96	2	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0
Intestinal infectious diseases	18	6	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other intestinal infectious diseases	11	2	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(7) Intestinal infections due to other specified organisms	11	2	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(8) Diarrhea and gastroenteritis of infectious origin	7	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(9) Respiratory tuberculosis	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zoonotic and other bacterial diseases	125	55	70	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(18) Septicemia	113	47	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(19) Other zoonotic and bacterial diseases	12	8	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Viral diseases	50	38	12	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(33) Herpesviral (herpes simplex) infections	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(34) Zoster (herpes zoster)	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(38) Viral hepatitis	29	23	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Human immunodeficiency virus (HIV) disease	6	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(39) Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(40) Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(41) Human immunodeficiency virus (HIV) disease resulting in other specified diseases	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(43) Unspecified human immunodeficiency virus (HIV) disease	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(44) All other and unspecified viral diseases	12	8	4	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases and their sequelae	6	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(45) Mycoses	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(55) All other and unspecified infectious and parasitic diseases and their sequelae	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
II. Neoplasms	2,196	1,182	1,014	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2	0	9	7
Malignant neoplasms	2,130	1,146	984	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2	0	9	6
Malignant neoplasms of lip, oral cavity and pharynx	22	16	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(57) Of tongue	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(58) Of pharynx	9	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(59) Of other and unspecified sites within the lip, oral cavity and pharynx	10	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of digestive organs	537	310	227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0
(60) Of esophagus	68	52	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(61) Of stomach	25	13	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(62) Of small intestine	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Of colon, rectum and anus	192	104	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(63) Colon	146	76	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(64) Rectosigmoid junction and rectum	41	27	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(65) Anus and anal canal	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Of liver and intrahepatic bile ducts	82	56	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(66) Liver	57	44	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	All Ages			Age In Years																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(67) Intrahepatic bile duct carcinoma	25	12	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(68) Of gallbladder and extrahepatic bile ducts	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(69) Of pancreas	153	78	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(70) Of other and ill-defined digestive organs	7	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of respiratory and intrathoracic organs	553	279	274	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(71) Of nasal cavity, middle ear and accessory sinuses	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(72) Of larynx	10	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(73) Of trachea, bronchus and lung	539	271	268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(74) Of thymus, heart, mediastinum and pleura	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(76) Malignant neoplasms of bone and articular cartilage	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Melanoma and other malignant neoplasms of skin	44	35	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(77) Malignant melanoma of skin	25	20	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(78) Other malignant neoplasms of skin	19	15	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of mesothelial and soft tissue	36	21	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(79) Mesothelioma	13	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(81) Of other mesothelial and soft tissue	23	11	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(82) Malignant neoplasm of breast	147	1	146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of female genital organs	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(83) Of vulva and vagina	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(84) Of cervix uteri	10	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(85) Of corpus uteri and uterus, part unspecified	34	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(86) Of ovary	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(87) Of other and unspecified female genital organs	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of male genital organs	124	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
(89) Of prostate	119	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(90) Of testis	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
(91) Of penis and other and unspecified male genital organs	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of urinary tract	126	92	34	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
(92) Of kidney and renal pelvis	48	28	20	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
(93) Of bladder	72	59	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(94) Of other and unspecified sites within the urinary tract	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(95) Malignant neoplasm of eye and adnexa	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of meninges, brain and other parts of central nervous system	72	50	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	0
(96) Of brain	70	48	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	0
(97) Of other parts of central nervous system	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(98) Malignant neoplasms of thyroid and other endocrine glands	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(99) Other malignant neoplasms of other and unspecified sites	162	88	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Malignant neoplasms of lymphoid, hematopoietic and related tissue	192	120	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(100) Hodgkin 's disease	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Of other lymphoid, hematopoietic and related tissue	59	32	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(101) Non-Hodgkin 's lymphoma	59	32	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(103) Malignant immunoproliferative diseases	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(104) Multiple myeloma and malignant plasma cell neoplasms	39	29	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	All Ages			Age In Years																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Leukemia	86	53	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(105) Lymphoid leukemia	29	20	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(106) Myeloid leukemia	47	26	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(108) Other and unspecified leukemia	10	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benign neoplasms	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(112) Of eye, brain and other parts of central nervous system	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(113) Of other and unspecified sites	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(114) Neoplasms of uncertain or unknown behavior of specified sites	56	33	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(115) Neoplasm of uncertain or unknown behavior of unspecified sites	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism	50	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Anemias	26	11	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(116) Nutritional anemias	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(117) Hemolytic anemias	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(118) Aplastic anemias	6	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(119) Acute posthemorrhagic and other anemias	14	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(120) Coagulation defects, purpura and other hemorrhagic conditions	14	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(121) Other diseases of blood and blood forming organs	5	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(122) Certain disorders involving the immune mechanism	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IV. Endocrine, nutritional and metabolic diseases	470	268	202	0	0	0	0	0	0	0	1	0	1	1	0	0	0	3	1	0	1	2	2
Endocrine diseases	336	200	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	1	2
(123) Disorders of thyroid gland	8	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(124) Diabetes mellitus	321	193	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	1	1
(125) Disorders of pituitary gland	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(126) Disorders of adrenal glands	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(128) Other endocrine diseases	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutritional diseases	55	24	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malnutrition	24	6	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(130) Other and unspecified malnutrition	24	6	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(132) Obesity and other hyperalimentation	31	18	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metabolic disorders	79	44	35	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	1	1	0
(133) Cystic fibrosis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(134) Volume depletion, disorders of fluid, electrolyte and acid-base balance	22	7	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(135) Other metabolic disorders	56	37	19	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	1	0
V. Mental and behavioral disorders	649	263	386	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	3
(136) Organic dementia	567	206	361	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(137) Other and unspecified organic mental disorders	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mental and behavioral disorders due to psychoactive substance use	67	48	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	3
(138) Mental and behavioral disorders due to use of alcohol	53	43	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(139) Mental and behavioral disorders due to other psychoactive substance use	14	5	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2
(140) Schizophrenia, schizotypal and delusional disorders	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	All Ages			Age In Years																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(141) Mood (affective) disorders	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(143) Mental retardation	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(144) Other and unspecified mental and behavioral disorders	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VI. Diseases of the nervous system	609	277	332	2	0	0	0	1	1	0	0	0	1	1	1	1	0	1	1	1	1	0	5
(145) Meningitis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(146) Other inflammatory diseases of central nervous system	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(147) Parkinson 's disease	114	76	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(148) Alzheimer 's disease	277	94	183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(149) Multiple sclerosis	28	11	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(150) Epilepsy	7	1	6	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
(151) Transient cerebral ischemic attacks and related syndromes	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(152) Infantile cerebral palsy	10	2	8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1
(153) All other diseases of nervous system	167	92	75	2	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1	0	0	3
IX. Diseases of the circulatory system	2,744	1,484	1,260	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	4	1	0	2
Acute rheumatic fever and chronic rheumatic heart diseases	26	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic rheumatic heart diseases	26	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(157) Rheumatic mitral valve diseases	8	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(158) Rheumatic aortic valve diseases	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(159) Disorders of both mitral and aortic valves	9	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(160) Other chronic rheumatic heart diseases	8	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypertensive diseases	137	59	78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(161) Essential (primary) hypertension	39	17	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(162) Hypertensive heart disease	69	30	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(163) Hypertensive renal disease and secondary hypertension	22	7	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(164) Hypertensive heart and renal disease	7	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart diseases	1,133	733	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(165) Acute myocardial infarction	240	138	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(166) Other acute ischemic heart diseases	17	7	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of chronic ischemic heart disease	876	588	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(167) Atherosclerotic cardiovascular disease, so described	467	322	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(168) All other forms of chronic ischemic heart disease	409	266	143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Other heart diseases	869	400	469	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	1	1
Pulmonary heart disease and diseases of pulmonary circulation	78	30	48	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
(169) Pulmonary embolism	40	20	20	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
(170) Other pulmonary heart disease and diseases of pulmonary circulation	38	10	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other non-pulmonary forms of heart disease	791	370	421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1
(171) Acute and subacute endocarditis	7	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(172) Diseases of pericardium and acute myocarditis	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other diseases of endocardium	124	60	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(173) Nonrheumatic mitral valve disorders	15	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(174) Nonrheumatic aortic valve disorders	74	36	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(175) All other diseases of endocardium	35	19	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(176) Cardiomyopathy	65	40	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(177) Conduction disorders and cardiac dysrhythmias	213	98	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Heart failure	335	151	184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	All Ages			Age In Years																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(178) Congestive heart failure	277	123	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(179) Other and unspecified heart failure	58	28	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(180) Myocarditis, unspecified and myocardial degeneration	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(181) All other and ill-defined forms of heart disease	41	15	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerebrovascular diseases	458	212	246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(182) Subarachnoid hemorrhage	9	1	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(183) Intracerebral and other intracranial hemorrhage	84	44	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(184) Cerebral infarction	34	15	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(185) Stroke, not specified as hemorrhage or infarction	234	106	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(186) Other cerebrovascular diseases and their sequelae	97	46	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of arteries, arterioles and capillaries	105	59	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(187) Atherosclerosis	12	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(188) Aortic aneurysm and dissection	55	36	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(189) Other diseases of arteries, arterioles and capillaries	38	18	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other disorders of circulatory system	16	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	14	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(191) All other and unspecified disorders of circulatory system	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Diseases of the respiratory system	1,081	535	546	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	2
Other diseases of the respiratory system	1,081	535	546	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	2
(195) Influenza	32	11	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
Pneumonia	152	77	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(196) Viral pneumonia, not elsewhere classified	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(197) Bacterial pneumonia	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(198) Pneumonia due to other or unspecified organisms	145	73	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(201) Other diseases of upper respiratory tract	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	678	324	354	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Bronchitis, chronic and unspecified, emphysema and asthma	674	323	351	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(202) Bronchitis, not specified as acute or chronic	4	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(203) Chronic bronchitis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(204) Emphysema	34	18	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(205) Other chronic obstructive pulmonary disease	623	298	325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(206) Asthma	12	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(207) Bronchiectasis	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lung diseases due to external agents	79	45	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(208) Pneumoconioses and chemical effects	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	67	37	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(209) Pneumonitis due to food and vomit	67	37	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(212) Suppurative and necrotic conditions of lower respiratory tract	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(213) Pleural effusion and plaque	8	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(214) All other diseases of respiratory system	128	69	59	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XI. Diseases of the digestive system	427	221	206	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	5	5
(215) Diseases of oral cavity, salivary glands and jaws	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Diseases of other parts of digestive system	425	219	206	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	4	5
(216) Diseases of esophagus	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	All Ages			Age In Years																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Peptic ulcer	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(217) Gastric ulcer	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(218) Duodenal ulcer	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(222) Dyspepsia and other diseases of stomach and duodenum																							
	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(224) Hernia	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(225) Crohn 's disease and ulcerative colitis	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(226) Vascular disorders and obstruction of intestine without hernia	58	25	33	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(227) Diverticular disease of intestine	7	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(228) Other diseases of intestines and peritoneum	16	5	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(229) Diseases of peritoneum	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of liver	240	135	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	5
(230) Alcoholic liver disease	121	70	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	4
(232) Fibrosis and cirrhosis of liver	58	31	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(233) Other diseases of liver	61	34	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(234) Cholelithiasis and other disorders of gallbladder	17	8	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disorders of biliary tract and pancreas	19	12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(235) Pancreatitis	10	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(236) Other disorders of biliary tract and pancreas	9	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(237) All other diseases of digestive system	41	22	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Diseases of the skin and subcutaneous tissue	14	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(238) Infections of skin and subcutaneous tissue	10	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(239) Other and unspecified diseases of skin and subcutaneous tissue	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XIII. Diseases of the musculoskeletal system and connective tissue	69	17	52	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(240) Rheumatoid arthritis and related inflammatory polyarthropathies	12	3	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(241) Systemic lupus erythematosus	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(242) Other arthropathies and related disorders	23	4	19	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(243) Dorsopathies	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(244) Soft tissue disorders	7	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	19	3	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(245) Osteoporosis	12	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(246) Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	7	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XIV. Diseases of the genitourinary system	190	95	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Diseases of urinary system	180	87	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Glomerular and renal tubulo-interstitial diseases	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glomerular diseases	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(247) Acute and rapidly progressive nephritic syndrome	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(249) Other and unspecified glomerular diseases	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(250) Renal tubulo-interstitial diseases	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(251) Renal failure	118	60	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(252) Urolithiasis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	All Ages			Age In Years																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(254) Urinary tract infection, site not specified	43	16	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(255) Other diseases of urinary system	14	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of male genital organs	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(256) Hyperplasia of prostate	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(257) Other diseases of male genital organs	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(258) Disorders of breast	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disorders of female genital organs	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(259) Inflammatory diseases of female pelvic organs	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XV. Pregnancy, childbirth and the puerperium	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(272) Other deaths related to pregnancy, childbirth and the puerperium	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
XVI. Certain conditions originating in the perinatal period	23	12	11	12	10	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(274) Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	8	5	3	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(275) Disorders related to short gestation and low birth weight, not elsewhere classified	5	4	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(276) Birth trauma	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(279) Other respiratory conditions originating in the perinatal period	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(280) Infections specific to the perinatal period	3	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(281) Other and unspecified conditions originating in the perinatal period	4	1	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XVII. Congenital malformations, deformations and chromosomal abnormalities	45	31	14	14	7	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	1	2	0
(284) All other congenital malformations of nervous system	3	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(285) Congenital malformations of heart	10	8	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(286) Other congenital malformations of circulatory system	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(288) Other congenital malformations and deformations	19	15	4	7	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
(289) Down 's syndrome	7	4	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
(290) All other chromosomal abnormalities, not elsewhere classified	5	2	3	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XVIII. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	171	68	103	12	8	3	1	0	1	1	0	1	0	0	0	0	2	1	0	2	2	2	2
(291) Senility	50	7	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ill-defined and unknown causes of mortality	61	35	26	12	8	3	1	0	1	1	0	1	0	0	0	0	1	0	0	2	1	1	2
(292) Sudden infant death syndrome	12	7	5	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(293) Other ill-defined and unknown causes of mortality	49	28	21	5	3	3	1	0	1	1	0	1	0	0	0	0	1	0	0	2	1	1	2
(294)All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	60	26	34	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0
XX. External causes of mortality	999	664	335	2	1	2	2	8	3	6	4	7	3	17	4	11	9	35	18	53	13	45	24
Accidents (unintentional injuries)	632	398	234	2	1	2	1	5	2	4	2	4	2	10	3	6	5	19	15	31	5	28	15
Transport accidents	234	158	76	0	0	1	1	0	1	1	0	1	2	10	2	5	5	14	12	16	3	14	8
(295) Railway accidents	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle accidents	219	145	74	0	0	1	1	0	1	1	0	1	2	10	2	5	5	14	12	15	3	14	7
(296) Pedestrian involved in collision with motor vehicle	7	4	3	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1
(297) Pedalcyclist involved in collision with motor vehicle	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(298) Motorcyclist involved in any accident except collision with railway train	18	18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	3	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>



**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	All Ages			Age In Years																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Motor vehicle accident involving collision with railway train	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(300) Other motor vehicle accident involving collision with railway train	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(301) Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(302) Occupant of car, pickup truck or van involved in collision with other motor vehicle	16	7	9	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	1	0	0
(304) Occupant of motor vehicle involved in noncollision accident	23	14	9	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	4	1	0	3	2
(305) Occupant of special-use motor vehicle involved in any accident	16	12	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0
(306) Other and unspecified motor vehicle accidents	135	86	49	0	0	0	0	0	1	1	0	1	2	8	1	1	4	12	7	9	2	7	4
(308) Other and unspecified land transport accidents	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(309) Water transport accidents	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(310) Air and space transport accidents	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(311) Other and unspecified transport accidents and their sequelae	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Falls	171	95	76	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
(312) Fall on same level	93	48	45	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(313) Fall from one level to another	22	15	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
(314) Unspecified fall	56	32	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(315) Accidental discharge of firearms	4	2	2	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0
(317) Accidental drowning and submersion	11	9	2	0	0	0	0	0	0	2	1	2	0	0	0	0	0	1	0	0	0	1	1
(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	25	18	7	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0
(319) Other accidental and unspecified threats to breathing	10	6	4	2	1	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0
(322) Accidental exposure to smoke, fire and flames	9	7	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Accidental poisoning and exposure to noxious substances	95	58	37	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4	2	9	2	5	4
(327) Accidental poisoning by and exposure to drugs and other biological substances	80	48	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	9	1	5	4
(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	11	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(329) Accidental poisoning by and exposure to other gases and vapors	4	3	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(330) All other and unspecified accidents and their sequelae	72	44	28	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	5	1
Intentional self-harm (suicide)	271	206	65	0	0	0	0	0	0	0	0	3	1	6	1	3	4	14	2	15	5	13	8
(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	23	9	14	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
(333) Intentional self-poisoning (suicide) by and exposure to other gases and vapors	8	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	50	36	14	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	6	0	3	5
(335) Intentional self-harm (suicide) by discharge of firearms	174	144	30	0	0	0	0	0	0	0	0	2	0	6	1	3	2	11	1	8	5	10	3
(336) Intentional self-harm (suicide) by jumping from a high place	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>



**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	All Ages			Age In Years																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(337) Intentional self-harm (suicide) by all other and unspecified means and their sequelae	13	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Assault (homicide)	38	26	12	0	0	0	1	2	1	2	1	0	0	1	0	0	0	0	1	4	1	0	1
(338) Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(339) Assault (homicide) by hanging, strangulation and suffocation	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(340) Assault (homicide) by discharge of firearms	20	15	5	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	1	3	0	0	1
(341) Assault (homicide) by sharp object	7	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(345) Neglect, abandonment and other maltreatment syndromes	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(346) Assault (homicide) by all other and unspecified means and their sequelae	6	4	2	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Event of undetermined intent	47	25	22	0	0	0	0	1	0	0	1	0	0	0	0	2	0	1	0	2	2	4	0
(347) Poisoning by and exposure to drugs and biological substances, undetermined intent	31	14	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	0
(349) Poisoning by and exposure to other gases and vapors, undetermined intent	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(350) Discharge of firearms, undetermined intent	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
(351) Falling, jumping or pushed from a high place, undetermined intent	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(352) All other and unspecified events of undetermined intent and their sequelae	9	5	4	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Legal intervention	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
(354) Other legal intervention and their sequelae	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Complications of medical and surgical care	7	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(358) Other complications of medical and surgical care and their sequelae	7	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
<b>All Causes**</b>	82	48	87	48	121	89	237	169	387	227	418	266	504	336	592	389	606	473	629	571	1,302	1,907
<b>I. Certain infectious and parasitic diseases</b>	4	0	2	4	3	1	8	4	10	5	19	12	10	4	10	9	13	10	8	14	14	31
Intestinal infectious diseases	0	0	0	0	0	1	1	0	0	0	1	1	1	1	0	1	1	0	1	5	1	3
Other intestinal infectious diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	5	0	2
(7) Intestinal infections due to other specified organisms	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	5	0	2
(8) Diarrhea and gastroenteritis of infectious origin	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	1	0	0	0	1	1
Tuberculosis	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
(9) Respiratory tuberculosis	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Zoonotic and other bacterial diseases	2	0	1	3	2	0	2	3	5	3	6	7	5	2	7	7	9	10	4	8	11	26
(18) Septicemia	2	0	1	3	2	0	2	3	3	3	5	6	3	2	5	7	9	10	4	6	11	26
(19) Other zoonotic and bacterial diseases	0	0	0	0	0	0	0	0	2	0	1	1	2	0	2	0	0	0	0	2	0	0
Viral diseases	1	0	1	1	1	0	4	1	5	2	12	3	4	1	2	1	1	0	2	1	2	2
(33) Herpesviral (herpes simplex) infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(34) Zoster (herpes zoster)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
(38) Viral hepatitis	0	0	0	1	0	0	3	1	4	1	10	3	4	0	2	0	0	0	0	0	0	0
Human immunodeficiency virus (HIV) disease	1	0	1	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
(39) Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(40) Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(41) Human immunodeficiency virus (HIV) disease resulting in other specified diseases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(43) Unspecified human immunodeficiency virus (HIV) disease	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(44) All other and unspecified viral diseases	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	1	0	1	1	1	2
Other and unspecified infectious and parasitic diseases and their sequelae	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0
(45) Mycoses	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(55) All other and unspecified infectious and parasitic diseases and their sequelae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0
<b>II. Neoplasms</b>	2	4	11	9	17	27	56	49	108	85	121	104	132	127	201	155	184	123	135	121	202	201
Malignant neoplasms	2	3	11	9	16	27	56	47	106	82	120	103	129	127	200	152	174	120	123	114	196	192
Malignant neoplasms of lip, oral cavity and pharynx	0	0	0	0	0	0	0	1	3	0	1	1	1	1	2	0	5	1	1	1	3	1
(57) Of tongue	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0
(58) Of pharynx	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	2	1	1	0	2	0
(59) Of other and unspecified sites within the lip, oral cavity and pharynx	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	2	0	0	1	1	1
Malignant neoplasms of digestive organs	0	0	5	0	8	5	24	8	39	19	35	25	38	30	46	31	43	24	25	28	44	57
(60) Of esophagus	0	0	0	0	3	0	7	0	5	1	5	2	4	1	8	2	11	6	3	3	5	1
(61) Of stomach	0	0	0	0	1	1	1	2	3	2	1	1	2	2	0	1	0	0	3	1	2	2
(62) Of small intestine	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Of colon, rectum and anus	0	0	3	0	4	3	9	3	10	6	9	11	10	14	16	9	13	8	8	8	21	26
(63) Colon	0	0	2	0	4	2	8	2	6	4	4	7	8	10	13	7	9	8	4	7	17	23
(64) Rectosigmoid junction and rectum	0	0	1	0	0	0	1	1	4	2	5	3	2	3	3	2	3	0	4	1	4	2
(65) Anus and anal canal	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	1
Of liver and intrahepatic bile ducts	0	0	2	0	0	0	5	2	12	5	10	2	9	3	8	3	3	1	4	5	2	5
(66) Liver	0	0	0	0	0	0	4	0	10	3	9	0	9	1	6	3	2	0	2	4	1	2

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(67) Intrahepatic bile duct carcinoma	0	0	2	0	0	0	1	2	2	2	1	2	0	2	2	0	1	1	2	1	1	3
(68) Of gallbladder and extrahepatic bile ducts	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	1	0	0	0	2
(69) Of pancreas	0	0	0	0	0	1	1	1	9	3	9	9	11	7	14	15	16	8	6	11	12	20
(70) Of other and ill-defined digestive organs	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	1	0	2	1
Malignant neoplasms of respiratory and intrathoracic organs	0	0	2	2	0	5	9	11	25	20	40	26	28	33	59	54	42	40	29	30	45	52
(71) Of nasal cavity, middle ear and accessory sinuses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
(72) Of larynx	0	0	0	0	0	0	0	0	1	1	0	1	0	1	3	0	1	0	0	0	2	0
(73) Of trachea, bronchus and lung	0	0	2	2	0	5	9	11	24	19	40	25	28	32	56	53	40	39	29	30	43	51
(74) Of thymus, heart, mediastinum and pleura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(76) Malignant neoplasms of bone and articular cartilage	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Melanoma and other malignant neoplasms of skin	1	0	1	0	1	2	2	0	1	2	3	0	5	1	10	0	2	2	4	0	5	2
(77) Malignant melanoma of skin	1	0	1	0	1	2	1	0	1	2	1	0	2	0	6	0	1	0	1	0	4	1
(78) Other malignant neoplasms of skin	0	0	0	0	0	0	1	0	0	0	2	0	3	1	4	0	1	2	3	0	1	1
Malignant neoplasms of mesothelial and soft tissue	0	0	1	2	1	0	0	0	1	0	3	1	3	1	4	2	3	2	2	3	3	3
(79) Mesothelioma	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	1	2	0	2	2	2	0
(81) Of other mesothelial and soft tissue	0	0	1	2	1	0	0	0	1	0	2	1	2	1	2	1	1	2	0	1	1	3
(82) Malignant neoplasm of breast	0	3	0	3	0	8	0	15	0	19	0	14	0	15	0	21	0	10	0	13	1	25
Malignant neoplasms of female genital organs	0	0	0	1	0	3	0	4	0	9	0	14	0	22	0	12	0	12	0	9	0	12
(83) Of vulva and vagina	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	2
(84) Of cervix uteri	0	0	0	1	0	1	0	0	0	1	0	2	0	2	0	0	0	0	0	0	0	1
(85) Of corpus uteri and uterus, part unspecified	0	0	0	0	0	0	0	2	0	2	0	7	0	8	0	5	0	4	0	2	0	4
(86) Of ovary	0	0	0	0	0	2	0	2	0	5	0	5	0	12	0	6	0	6	0	7	0	5
(87) Of other and unspecified female genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Malignant neoplasms of male genital organs	0	0	0	0	0	2	0	3	0	3	0	12	0	20	0	22	0	19	0	41	0	0
(89) Of prostate	0	0	0	0	0	0	1	0	3	0	3	0	12	0	19	0	22	0	19	0	40	0
(90) Of testis	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(91) Of penis and other and unspecified male genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Malignant neoplasms of urinary tract	1	0	0	0	1	1	1	2	5	5	10	3	11	5	15	6	14	3	10	5	23	3
(92) Of kidney and renal pelvis	0	0	0	0	0	1	1	2	2	1	3	1	3	5	6	5	4	1	6	1	3	2
(93) Of bladder	1	0	0	0	1	0	0	0	3	3	7	2	7	0	8	1	10	2	4	4	17	1
(94) Of other and unspecified sites within the urinary tract	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0
(95) Malignant neoplasm of eye and adnexa	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0
Malignant neoplasms of meninges, brain and other parts of central nervous system	0	0	1	0	2	1	5	3	7	0	4	4	6	2	5	3	9	4	4	2	2	2
(96) Of brain	0	0	1	0	2	1	5	3	7	0	4	4	6	2	5	3	8	4	4	2	2	2
(97) Of other parts of central nervous system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(98) Malignant neoplasms of thyroid and other endocrine glands	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	1	1	0	0	0	0	0
(99) Other malignant neoplasms of other and unspecified sites	0	0	0	0	0	1	7	3	10	4	10	8	8	11	15	9	12	10	13	10	12	18
Malignant neoplasms of lymphoid, hematopoietic and related tissue	0	0	1	0	3	1	5	0	10	2	10	7	15	6	24	13	20	12	16	13	16	17
(100) Hodgkin 's disease	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	1
Of other lymphoid, hematopoietic and related tissue	0	0	0	0	1	0	0	0	3	0	1	2	5	3	5	6	6	7	5	5	6	4
(101) Non-Hodgkin 's lymphoma	0	0	0	0	1	0	0	0	3	0	1	2	5	3	5	6	6	7	5	5	6	4
(103) Malignant immunoproliferative diseases	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2	0
(104) Multiple myeloma and malignant plasma cell neoplasms	0	0	1	0	1	0	3	0	2	0	3	1	3	0	7	0	4	2	3	3	2	4

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Leukemia	0	0	0	0	1	1	2	0	4	2	4	4	6	3	12	6	10	3	8	5	6	8
(105) Lymphoid leukemia	0	0	0	0	1	0	0	0	2	0	2	0	2	2	4	1	4	1	1	1	4	4
(106) Myeloid leukemia	0	0	0	0	0	1	2	0	2	1	2	3	3	1	7	5	4	2	5	3	1	4
(108) Other and unspecified leukemia	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0	2	0	2	1	1	0
Benign neoplasms	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1
(112) Of eye, brain and other parts of central nervous system	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0
(113) Of other and unspecified sites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(114) Neoplasms of uncertain or unknown behavior of specified sites	0	1	0	0	1	0	0	2	1	2	1	1	3	0	1	3	10	3	12	5	4	5
(115) Neoplasm of uncertain or unknown behavior of unspecified sites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3
III. Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism	0	1	1	0	1	0	2	3	1	0	0	2	1	1	2	3	3	3	5	8	6	6
Anemias	0	1	0	0	0	0	0	1	0	0	0	1	0	1	1	1	2	3	3	3	4	4
(116) Nutritional anemias	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
(117) Hemolytic anemias	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
(118) Aplastic anemias	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	0	1	0
(119) Acute posthemorrhagic and other anemias	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	1	0	2	1	3	3
(120) Coagulation defects, purpura and other hemorrhagic conditions	0	0	1	0	1	0	1	1	1	0	0	0	0	0	1	1	1	0	1	2	1	2
(121) Other diseases of blood and blood forming organs	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	0
(122) Certain disorders involving the immune mechanism	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	2	0	0
IV. Endocrine, nutritional and metabolic diseases	3	2	9	0	7	9	18	11	29	14	27	12	33	19	36	22	24	22	24	25	52	60
Endocrine diseases	1	1	8	0	5	8	14	7	18	12	23	8	23	11	32	14	17	21	19	18	36	33
(123) Disorders of thyroid gland	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	2
(124) Diabetes mellitus	1	1	7	0	5	8	14	7	18	12	22	8	21	11	31	12	15	20	19	17	36	30
(125) Disorders of pituitary gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
(126) Disorders of adrenal glands	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(128) Other endocrine diseases	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	0	1
Nutritional diseases	2	1	0	0	1	0	4	4	5	2	2	2	3	4	3	1	0	1	2	5	2	11
Malnutrition	0	0	0	0	0	0	1	1	0	0	0	1	0	2	1	0	0	0	2	3	2	11
(130) Other and unspecified malnutrition	0	0	0	0	0	0	1	1	0	0	1	0	2	1	0	0	0	0	2	3	2	11
(132) Obesity and other hyperalimentation	2	1	0	0	1	0	3	3	5	2	2	1	3	2	2	1	0	1	0	2	0	0
Metabolic disorders	0	0	1	0	1	1	0	0	6	0	2	2	7	4	1	7	7	0	3	2	14	16
(133) Cystic fibrosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(134) Volume depletion, disorders of fluid, electrolyte and acid-base balance	0	0	1	0	0	0	0	0	1	0	0	0	0	2	0	0	2	0	0	1	3	12
(135) Other metabolic disorders	0	0	0	0	1	1	0	0	5	0	2	2	7	2	1	7	5	0	3	1	11	4
V. Mental and behavioral disorders	2	3	0	1	6	2	10	1	6	3	14	2	9	9	19	9	23	21	54	51	118	280
(136) Organic dementia	0	0	0	0	0	0	0	0	1	1	2	2	2	5	17	9	20	21	50	51	114	272
(137) Other and unspecified organic mental disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	3
Mental and behavioral disorders due to psychoactive substance use	2	3	0	1	5	2	10	1	4	2	12	0	5	4	2	0	2	0	2	0	2	2
(138) Mental and behavioral disorders due to use of alcohol	1	2	0	0	5	1	9	0	4	2	11	0	5	4	2	0	2	0	2	0	1	0
(139) Mental and behavioral disorders due to other psychoactive substance use	1	1	0	1	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	2
(140) Schizophrenia, schizotypal and delusional disorders	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(141) Mood (affective) disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
(143) Mental retardation	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(144) Other and unspecified mental and behavioral disorders	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1
VI. Diseases of the nervous system	5	0	1	5	4	3	6	8	12	15	13	14	16	20	27	14	30	34	55	44	102	165
(145) Meningitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(146) Other inflammatory diseases of central nervous system	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(147) Parkinson 's disease	0	0	0	0	0	0	0	0	2	0	2	1	3	2	5	2	14	6	15	5	35	22
(148) Alzheimer 's disease	0	0	0	0	0	0	0	0	0	1	0	0	4	5	4	4	8	15	28	33	50	125
(149) Multiple sclerosis	2	0	0	0	2	1	0	2	0	2	2	4	0	2	2	2	0	0	3	0	0	3
(150) Epilepsy	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	1	0	0	0	0	0	1
(151) Transient cerebral ischemic attacks and related syndromes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(152) Infantile cerebral palsy	2	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	1	0	0	0	0
(153) All other diseases of nervous system	1	0	0	4	2	2	6	6	10	10	9	7	9	9	16	5	8	12	9	5	17	11
IX. Diseases of the circulatory system	11	6	10	4	26	11	48	35	100	38	115	53	150	62	166	85	184	116	203	153	466	693
Acute rheumatic fever and chronic rheumatic heart diseases	0	0	0	0	0	0	1	0	0	1	1	1	2	0	3	1	2	3	1	3	3	4
Chronic rheumatic heart diseases	0	0	0	0	0	0	1	0	0	1	1	1	2	0	3	1	2	3	1	3	3	4
(157) Rheumatic mitral valve diseases	0	0	0	0	0	0	1	0	0	0	0	0	2	0	1	0	1	0	1	1	0	1
(158) Rheumatic aortic valve diseases	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(159) Disorders of both mitral and aortic valves	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	3	2
(160) Other chronic rheumatic heart diseases	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2	0	2	0	1
Hypertensive diseases	0	0	1	1	3	2	4	1	3	4	1	4	5	5	10	2	5	4	5	7	22	48
(161) Essential (primary) hypertension	0	0	0	0	1	0	1	0	0	0	0	1	1	1	3	1	2	2	0	2	9	15
(162) Hypertensive heart disease	0	0	1	1	1	2	3	1	3	4	1	2	4	4	7	1	2	1	3	1	5	22
(163) Hypertensive renal disease and secondary hypertension	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	3	7	10
(164) Hypertensive heart and renal disease	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	1	1
Ischemic heart diseases	4	2	6	2	17	4	33	20	61	13	77	27	94	24	86	39	95	43	94	53	166	172
(165) Acute myocardial infarction	0	1	3	1	1	2	6	4	15	3	13	5	14	7	15	8	23	12	20	10	28	49
(166) Other acute ischemic heart diseases	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1	2	1	0	1	3	6
Other forms of chronic ischemic heart disease	4	1	3	1	16	2	26	16	46	9	64	22	79	17	71	30	70	30	74	42	135	117
(167) Atherosclerotic cardiovascular disease, so described	2	1	2	1	11	2	21	12	35	6	46	15	53	13	47	15	29	20	32	21	44	39
(168) All other forms of chronic ischemic heart disease	2	0	1	0	5	0	5	4	11	3	18	7	26	4	24	15	41	10	42	21	91	78
Other heart diseases	4	3	3	1	5	0	8	5	15	6	19	12	32	17	35	29	46	35	55	55	176	303
Pulmonary heart disease and diseases of pulmonary circulation	0	0	1	1	1	0	1	1	1	2	3	4	5	2	5	6	1	8	5	8	7	15
(169) Pulmonary embolism	0	0	1	1	1	0	1	0	0	2	3	3	5	0	3	1	0	4	2	4	4	4
(170) Other pulmonary heart disease and diseases of pulmonary circulation	0	0	0	0	0	0	0	1	1	0	0	1	0	2	2	5	1	4	3	4	3	11
Other non-pulmonary forms of heart disease	4	3	2	0	4	0	7	4	14	4	16	8	27	15	30	23	45	27	50	47	169	288
(171) Acute and subacute endocarditis	0	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	1	0
(172) Diseases of pericardium and acute myocarditis	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
Other diseases of endocardium	1	0	0	0	0	0	3	0	2	1	6	0	4	1	3	3	4	4	10	9	26	46
(173) Nonrheumatic mitral valve disorders	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	1	1	0	0	2	8
(174) Nonrheumatic aortic valve disorders	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	1	3	3	2	7	7	19
(175) All other diseases of endocardium	1	0	0	0	0	0	2	0	2	0	3	0	0	1	2	0	0	1	3	2	5	12
(176) Cardiomyopathy	0	1	1	0	1	0	1	0	5	2	3	3	4	2	7	1	4	3	4	6	10	7
(177) Conduction disorders and cardiac dysrhythmias	1	0	1	0	0	0	2	3	1	0	3	3	9	4	9	6	13	8	14	7	44	83
Heart failure	1	1	0	0	2	0	0	0	5	0	3	2	8	6	11	10	23	8	18	18	80	139

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(178) Congestive heart failure	1	0	0	0	1	0	0	0	5	0	2	2	5	5	9	7	16	7	15	14	69	119
(179) Other and unspecified heart failure	0	1	0	0	1	0	0	0	0	0	1	0	3	1	2	3	7	1	3	4	11	20
(180) Myocarditis, unspecified and myocardial degeneration	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
(181) All other and ill-defined forms of heart disease	1	0	0	0	0	0	1	1	0	0	0	0	1	1	0	3	1	4	3	5	8	12
Cerebrovascular diseases	1	0	0	0	0	4	1	7	11	9	14	5	13	11	22	11	33	22	39	27	77	150
(182) Subarachnoid hemorrhage	0	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	2	0	1
(183) Intracerebral and other intracranial hemorrhage	0	0	0	0	0	2	0	3	2	1	4	2	2	2	5	3	10	5	10	5	11	17
(184) Cerebral infarction	0	0	0	0	0	1	0	1	3	3	0	0	4	0	1	1	3	2	1	3	2	8
(185) Stroke, not specified as hemorrhage or infarction	1	0	0	0	0	0	1	0	5	0	6	3	5	6	9	5	16	10	16	14	47	90
(186) Other cerebrovascular diseases and their sequelae	0	0	0	0	0	1	0	1	0	2	4	0	2	3	7	2	4	5	12	3	17	34
Diseases of arteries, arterioles and capillaries	2	1	0	0	1	1	1	1	6	4	3	4	4	4	10	3	3	8	9	7	19	13
(187) Atherosclerosis	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	1	1	2	3	3
(188) Aortic aneurysm and dissection	2	0	0	0	0	1	1	0	4	1	2	1	4	3	8	1	1	4	5	4	8	4
(189) Other diseases of arteries, arterioles and capillaries	0	1	0	0	1	0	0	1	2	2	1	3	0	0	1	1	1	4	3	2	9	6
Other disorders of circulatory system	0	0	0	0	0	0	0	1	4	1	0	0	0	1	0	0	0	1	0	1	3	3
(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	0	0	0	0	0	0	0	1	4	0	0	0	0	1	0	0	0	1	0	1	3	2
(191) All other and unspecified disorders of circulatory system	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
X. Diseases of the respiratory system	0	0	2	1	2	4	11	7	19	21	24	26	73	46	73	53	78	91	72	86	177	207
Other diseases of the respiratory system	0	0	2	1	2	4	11	7	19	21	24	26	73	46	73	53	78	91	72	86	177	207
(195) Influenza	0	0	0	0	0	0	1	0	0	0	0	2	1	0	3	4	0	4	1	1	5	8
Pneumonia	0	0	1	0	1	0	3	1	3	0	0	3	8	1	2	5	12	9	9	9	38	46
(196) Viral pneumonia, not elsewhere classified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
(197) Bacterial pneumonia	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0
(198) Pneumonia due to other or unspecified organisms	0	0	1	0	1	0	3	1	3	0	0	2	7	1	2	5	10	9	9	9	37	44
(201) Other diseases of upper respiratory tract	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
Chronic lower respiratory diseases	0	0	1	1	1	3	5	3	12	18	17	20	48	33	54	34	52	66	44	61	88	114
Bronchitis, chronic and unspecified, emphysema and asthma	0	0	1	1	1	3	5	3	12	18	17	20	48	33	54	34	51	64	44	61	88	113
(202) Bronchitis, not specified as acute or chronic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
(203) Chronic bronchitis	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(204) Emphysema	0	0	0	0	0	0	0	0	1	0	1	1	3	4	5	2	5	6	0	1	3	2
(205) Other chronic obstructive pulmonary disease	0	0	0	1	0	2	5	2	11	17	16	19	45	28	48	31	46	57	43	60	84	108
(206) Asthma	0	0	1	0	1	1	0	1	0	0	0	0	0	1	1	1	0	1	0	0	1	1
(207) Bronchiectasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1
Lung diseases due to external agents	0	0	0	0	0	1	0	0	1	0	2	1	5	1	3	2	4	5	5	7	25	17
(208) Pneumoconioses and chemical effects	0	0	0	0	0	0	0	0	1	0	0	0	3	0	1	0	2	1	0	1	1	2
Pneumonitis due to solids and liquids	0	0	0	0	0	1	0	0	0	0	2	1	2	1	2	2	2	4	5	6	24	15
(209) Pneumonitis due to food and vomit	0	0	0	0	0	1	0	0	0	0	2	1	2	1	2	2	2	4	5	6	24	15
(212) Suppurative and necrotic conditions of lower respiratory tract	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
(213) Pleural effusion and plaque	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	1	0	0	2	1
(214) All other diseases of respiratory system	0	0	0	0	0	0	1	3	3	3	4	0	9	10	10	8	10	6	11	8	19	21
XI. Diseases of the digestive system	7	12	9	9	12	4	21	15	36	16	27	15	19	17	16	16	22	19	16	25	29	52
(215) Diseases of oral cavity, salivary glands and jaws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Diseases of other parts of digestive system	7	12	9	9	12	4	21	15	36	16	27	15	19	17	15	16	22	19	16	25	29	52
(216) Diseases of esophagus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Peptic ulcer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	2	
(217) Gastric ulcer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	
(218) Duodenal ulcer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
(222) Dyspepsia and other diseases of stomach and duodenum																						
	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	1	0	0	1	1	0	
(224) Hernia	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	2	
(225) Crohn 's disease and ulcerative colitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	
(226) Vascular disorders and obstruction of intestine without hernia																						
	0	0	0	0	1	0	0	0	0	2	0	2	0	3	1	2	8	5	6	7	8	11
(227) Diverticular disease of intestine	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	4	
(228) Other diseases of intestines and peritoneum	0	0	0	0	0	0	0	0	2	1	0	0	0	0	2	1	0	2	2	1	5	
(229) Diseases of peritoneum	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	1	
Diseases of liver	6	11	9	8	8	4	16	15	32	11	22	11	14	12	10	10	6	9	4	7	3	2
(230) Alcoholic liver disease	4	8	7	6	7	3	9	11	16	6	12	3	6	4	1	2	3	3	0	1	0	0
(232) Fibrosis and cirrhosis of liver	0	0	2	1	1	1	6	2	5	3	3	4	4	4	3	4	2	5	3	3	2	0
(233) Other diseases of liver	2	3	0	1	0	0	1	2	11	2	7	4	4	4	6	4	1	1	1	3	1	2
(234) Cholelithiasis and other disorders of gallbladder	0	0	0	0	0	0	0	0	1	0	0	0	3	0	0	1	1	0	0	3	8	
Disorders of biliary tract and pancreas	1	1	0	1	1	0	1	0	1	0	2	1	2	0	1	0	0	0	2	2	1	2
(235) Pancreatitis	1	1	0	0	1	0	1	0	1	0	2	1	1	0	0	0	0	0	1	0	0	
(236) Other disorders of biliary tract and pancreas	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	1	1	2
(237) All other diseases of digestive system	0	0	0	0	0	0	3	0	0	1	1	1	0	0	2	0	4	1	2	4	10	12
XII. Diseases of the skin and subcutaneous tissue	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2	0	1	2	1	2	2	2
(238) Infections of skin and subcutaneous tissue	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	1	2	1	1
(239) Other and unspecified diseases of skin and subcutaneous tissue																						
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	1
XIII. Diseases of the musculoskeletal system and connective tissue	0	0	0	0	0	2	1	1	1	0	3	2	0	3	1	4	2	7	2	6	6	27
(240) Rheumatoid arthritis and related inflammatory polyarthropathies	0	0	0	0	0	0	1	0	0	0	1	1	0	2	0	1	1	1	0	1	0	3
(241) Systemic lupus erythematosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	1	1
(242) Other arthropathies and related disorders	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	3	1	4	1	10
(243) Dorsopathies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
(244) Soft tissue disorders	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	1	1	2	0
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	0	0	0	0	0	1	0	1	0	0	1	0	0	1	0	1	0	1	0	0	2	11
(245) Osteoporosis	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	10
(246) Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	1	0	0	2	1	
XIV. Diseases of the genitourinary system	0	0	2	1	1	2	4	5	4	4	9	5	10	5	10	6	10	8	16	15	29	43
Diseases of urinary system	0	0	2	1	1	2	4	5	3	3	8	5	10	5	10	6	10	8	15	15	24	42
Glomerular and renal tubulo-interstitial diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1
Glomerular diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
(247) Acute and rapidly progressive nephritic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(249) Other and unspecified glomerular diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(250) Renal tubulo-interstitial diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
(251) Renal failure	0	0	1	1	1	2	3	4	2	3	6	4	7	4	7	3	9	6	8	9	16	21
(252) Urolithiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>



**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(254) Urinary tract infection, site not specified	0	0	1	0	0	0	0	1	0	0	1	1	2	0	1	3	1	2	3	4	7	16
(255) Other diseases of urinary system	0	0	0	0	0	0	1	0	1	0	1	0	1	1	1	0	0	0	2	1	1	4
Diseases of male genital organs	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	5	0
(256) Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0
(257) Other diseases of male genital organs	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0
(258) Disorders of breast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Disorders of female genital organs	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(259) Inflammatory diseases of female pelvic organs	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
XV. Pregnancy, childbirth and the puerperium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(272) Other deaths related to pregnancy, childbirth and the puerperium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XVI. Certain conditions originating in the perinatal period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(274) Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(275) Disorders related to short gestation and low birth weight, not elsewhere classified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(276) Birth trauma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(279) Other respiratory conditions originating in the perinatal period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(280) Infections specific to the perinatal period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(281) Other and unspecified conditions originating in the perinatal period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XVII. Congenital malformations, deformations and chromosomal abnormalities	0	0	2	0	1	0	1	0	1	1	0	1	6	0	1	0	1	0	0	0	0	3
(284) All other congenital malformations of nervous system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(285) Congenital malformations of heart	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	2
(286) Other congenital malformations of circulatory system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(288) Other congenital malformations and deformations	0	0	0	0	0	0	0	0	1	0	0	0	4	0	1	0	0	0	0	0	0	1
(289) Down 's syndrome	0	0	1	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
(290) All other chromosomal abnormalities, not elsewhere classified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XVIII. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	2	0	4	0	1	1	0	2	3	2	3	2	0	1	2	6	2	1	10	6	19	66
(291) Senility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	3	7	38
III-defined and unknown causes of mortality	1	0	3	0	1	1	0	2	3	1	2	2	0	0	1	0	0	0	2	1	2	5
(292) Sudden infant death syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(293) Other ill-defined and unknown causes of mortality	1	0	3	0	1	1	0	2	3	1	2	2	0	0	1	0	0	0	2	1	2	5
(294) All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	1	0	1	0	0	0	0	0	0	1	1	0	0	1	1	4	2	1	8	2	10	23
XX. External causes of mortality	46	20	33	14	40	23	51	28	57	23	43	15	45	22	26	7	29	16	28	15	80	71
Accidents (unintentional injuries)	21	8	17	6	21	15	28	13	31	12	20	10	25	17	17	5	18	11	21	15	68	71
Transport accidents	10	5	11	2	7	5	15	6	12	6	9	3	13	7	9	2	2	2	5	1	3	3
(295) Railway accidents	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle accidents	9	5	10	2	7	5	15	6	10	6	7	2	10	7	8	2	1	2	4	1	3	3
(296) Pedestrian involved in collision with motor vehicle	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
(297) Pedalcyclist involved in collision with motor vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(298) Motorcyclist involved in any accident except collision with railway train	0	0	0	0	0	0	5	0	4	0	2	0	1	0	1	0	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>



**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Motor vehicle accident involving collision with railway train	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(300) Other motor vehicle accident involving collision with railway train	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(301) Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(302) Occupant of car, pickup truck or van involved in collision with other motor vehicle	0	0	1	0	0	2	2	1	1	0	0	1	0	1	0	0	0	0	0	1	0	0
(304) Occupant of motor vehicle involved in noncollision accident	2	0	1	0	1	0	0	1	1	0	0	0	1	1	1	0	0	0	1	0	0	0
(305) Occupant of special-use motor vehicle involved in any accident	1	0	1	0	1	1	3	1	1	0	0	0	1	1	0	0	0	1	1	0	0	0
(306) Other and unspecified motor vehicle accidents	5	5	7	2	5	2	5	3	2	6	5	1	6	4	6	2	1	1	2	0	3	2
(308) Other and unspecified land transport accidents	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0
(309) Water transport accidents	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0
(310) Air and space transport accidents	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0
(311) Other and unspecified transport accidents and their sequelae	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Falls	2	0	1	0	3	1	1	0	2	1	3	1	6	7	6	2	8	6	10	11	49	47
(312) Fall on same level	1	0	1	0	0	1	0	0	0	0	1	1	3	6	2	1	5	2	4	5	30	29
(313) Fall from one level to another	1	0	0	0	2	0	1	0	0	0	2	0	3	0	1	0	2	2	1	1	0	4
(314) Unspecified fall	0	0	0	0	1	0	0	0	2	1	0	0	0	1	3	1	1	2	5	5	19	14
(315) Accidental discharge of firearms	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(317) Accidental drowning and submersion	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	3	3	1	0	5	4
(319) Other accidental and unspecified threats to breathing	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
(322) Accidental exposure to smoke, fire and flames	1	0	0	0	0	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1
(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Accidental poisoning and exposure to noxious substances	4	3	4	4	7	6	8	6	10	3	4	4	1	2	1	0	0	0	0	0	1	0
(327) Accidental poisoning by and exposure to drugs and other biological substances	4	3	2	3	7	6	7	6	7	3	3	3	0	1	0	0	0	0	0	0	0	0
(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	0	0	2	1	0	0	1	0	2	0	1	1	0	1	1	0	0	0	0	0	0	0
(329) Accidental poisoning by and exposure to other gases and vapors	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0
(330) All other and unspecified accidents and their sequelae	4	0	0	0	3	3	1	1	5	2	2	0	2	1	1	1	5	0	5	3	9	16
Intentional self-harm (suicide)	15	6	13	5	17	5	17	10	20	8	21	2	19	4	7	2	9	2	5	0	9	0
(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	1	0	1	3	1	1	1	4	0	1	1	1	4	2	0	0	0	0	0	0	0	0
(333) Intentional self-poisoning (suicide) by and exposure to other gases and vapors	2	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0	1	0	1	0	0	0
(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	2	2	2	0	4	0	7	2	4	3	0	0	2	0	0	0	2	0	1	0	1	0
(335) Intentional self-harm (suicide) by discharge of firearms	9	2	9	2	12	4	8	3	12	2	19	1	12	0	7	2	5	2	3	0	8	0
(336) Intentional self-harm (suicide) by jumping from a high place	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(337) Intentional self-harm (suicide) by all other and unspecified means and their sequelae	1	2	0	0	0	0	0	1	3	2	0	0	1	1	0	0	0	0	0	0	0	0
Assault (homicide)	6	1	2	0	1	1	3	0	3	2	0	0	1	0	0	0	1	2	0	0	0	0
(338) Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(339) Assault (homicide) by hanging, strangulation and suffocation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
(340) Assault (homicide) by discharge of firearms	3	1	1	0	1	1	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
(341) Assault (homicide) by sharp object	1	0	1	0	0	0	1	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0
(345) Neglect, abandonment and other maltreatment syndromes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(346) Assault (homicide) by all other and unspecified means and their sequelae	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Event of undetermined intent	4	5	1	3	0	2	2	4	3	1	2	3	0	1	1	0	1	0	0	0	1	0
(347) Poisoning by and exposure to drugs and biological substances, undetermined intent	3	4	0	3	0	2	1	4	2	0	2	3	0	0	1	0	0	0	0	0	0	0
(349) Poisoning by and exposure to other gases and vapors, undetermined intent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(350) Discharge of firearms, undetermined intent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(351) Falling, jumping or pushed from a high place, undetermined intent	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(352) All other and unspecified events of undetermined intent and their sequelae	1	1	1	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Legal intervention	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(354) Other legal intervention and their sequelae	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Complications of medical and surgical care	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	2	0	2	0
(358) Other complications of medical and surgical care and their sequelae	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	2	0	2	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at  
<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-2**  
**Frequency of Death by Sex, Race\* and 113 Selected Underlying Causes and Enterocolitis due to Clostridium Difficile\*\***  
**Montana Residents, 2015**

Cause of Death**	Total***				MALE					FEMALE			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other		Total	White	AI/AN^	Other
All Causes	9,939	9,245	634	60	5,252	4,888	331	33	33	4,687	4,357	303	27
(3) Certain other intestinal infections	18	16	2	0	6	6	0	0	0	12	10	2	0
(#) Tuberculosis	2	1	1	0	1	0	1	0	0	1	1	0	0
(4) Respiratory tuberculosis	2	1	1	0	1	0	1	0	0	1	1	0	0
(9#) Septicemia	113	95	17	1	47	40	7	0	0	66	55	10	1
(14#) Viral hepatitis	29	23	6	0	23	18	5	0	0	6	5	1	0
(15#) Human immunodeficiency virus (HIV) disease	6	5	1	0	5	5	0	0	0	1	0	1	0
(17) Other and unspecified infectious and parasitic diseases and their sequelae	33	29	4	0	23	20	3	0	0	10	9	1	0
(#) Malignant neoplasms	2,130	2,021	94	15	1,146	1,087	49	10	10	984	934	45	5
(18) Malignant neoplasms of lip, oral cavity and pharynx	22	20	2	0	16	14	2	0	0	6	6	0	0
(19) Malignant neoplasm of esophagus	68	63	5	0	52	49	3	0	0	16	14	2	0
(20) Malignant neoplasm of stomach	25	20	5	0	13	10	3	0	0	12	10	2	0
(21) Malignant neoplasms of colon, rectum and anus	192	179	12	1	104	97	7	0	0	88	82	5	1
(22) Malignant neoplasms of liver and intrahepatic bile ducts	82	74	4	4	56	49	4	3	3	26	25	0	1
(23) Malignant neoplasm of pancreas	153	147	5	1	78	74	3	1	1	75	73	2	0
(24) Malignant neoplasm of larynx	10	9	1	0	7	6	1	0	0	3	3	0	0
(25) Malignant neoplasms of trachea, bronchus and lung	539	507	26	6	271	254	12	5	5	268	253	14	1
(26) Malignant melanoma of skin	25	25	0	0	20	20	0	0	0	5	5	0	0
(27) Malignant neoplasm of breast	147	144	3	0	1	1	0	0	0	146	143	3	0
(28) Malignant neoplasm of cervix uteri	10	8	2	0	0	0	0	0	0	10	8	2	0
(29) Malignant neoplasms of corpus uteri and uterus, part unspecified	34	33	1	0	0	0	0	0	0	34	33	1	0
(30) Malignant neoplasm of ovary	50	48	2	0	0	0	0	0	0	50	48	2	0
(31) Malignant neoplasm of prostate	119	118	1	0	119	118	1	0	0	0	0	0	0
(32) Malignant neoplasms of kidney and renal pelvis	48	43	5	0	28	25	3	0	0	20	18	2	0
(33) Malignant neoplasm of bladder	72	72	0	0	59	59	0	0	0	13	13	0	0
(34) Malignant neoplasms of meninges, brain and other parts of central nervous system	72	70	2	0	50	49	1	0	0	22	21	1	0
Malignant neoplasms of lymphoid, hematopoietic and related tissue	192	184	7	1	120	115	4	1	1	72	69	3	0
(35) Hodgkin's disease	4	4	0	0	2	2	0	0	0	2	2	0	0
(36) Non-Hodgkin's lymphoma	59	57	2	0	32	31	1	0	0	27	26	1	0
(37) Leukemia	86	81	4	1	53	50	2	1	1	33	31	2	0
(38) Multiple myeloma and immunoproliferative neoplasms	43	42	1	0	33	32	1	0	0	10	10	0	0
(40) All other and unspecified malignant neoplasms	270	257	11	2	152	147	5	0	0	118	110	6	2
(41#) In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	66	64	2	0	36	35	1	0	0	30	29	1	0
(42#) Anemias	26	22	3	1	11	10	0	1	1	15	12	3	0
(43#) Diabetes mellitus	321	273	47	1	193	163	29	1	1	128	110	18	0
(#) Nutritional deficiencies	24	22	2	0	6	6	0	0	0	18	16	2	0
(44) Malnutrition	24	22	2	0	6	6	0	0	0	18	16	2	0
(46#) Meningitis	1	1	0	0	0	0	0	0	0	1	1	0	0
(47#) Parkinson's disease	114	112	1	1	76	74	1	1	1	38	38	0	0
(48#) Alzheimer's disease	277	274	2	1	94	94	0	0	0	183	180	2	1
Major cardiovascular diseases	2,728	2,592	120	16	1,476	1,412	56	8	8	1,252	1,180	64	8
(#) Diseases of heart	2,104	1,999	96	9	1,181	1,131	46	4	4	923	868	50	5
(49) Acute rheumatic fever and chronic rheumatic heart diseases	26	25	1	0	13	13	0	0	0	13	12	1	0
(50) Hypertensive heart disease	69	66	2	1	30	27	2	1	1	39	39	0	0

\* Any racial category may include "Hispanic"; "Other" also includes race not stated.

\*\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at

<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20113%20Selected%20Causes%20of%20Death.pdf>. Those marked with a "#" sign are rankable as leading causes.

^ American Indian or Alaska Native

**Table D-2**  
**Frequency of Death by Sex, Race\* and 113 Selected Underlying Causes and Enterocolitis due to Clostridium Difficile\*\***  
**Montana Residents, 2015**

Cause of Death**	Total***				MALE				FEMALE			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
(51) Hypertensive heart and renal disease	7	7	0	0	5	5	0	0	2	2	0	0
Ischemic heart diseases	1,133	1,058	70	5	733	696	34	3	400	362	36	2
(52) Acute myocardial infarction	240	220	18	2	138	130	7	1	102	90	11	1
(53) Other acute ischemic heart diseases	17	15	1	1	7	6	1	0	10	9	0	1
Other forms of chronic ischemic heart disease	876	823	51	2	588	560	26	2	288	263	25	0
(54) Atherosclerotic cardiovascular disease, so described	467	431	34	2	322	299	21	2	145	132	13	0
(55) All other forms of chronic ischemic heart disease	409	392	17	0	266	261	5	0	143	131	12	0
Other heart diseases	869	843	23	3	400	390	10	0	469	453	13	3
(56) Acute and subacute endocarditis	7	5	2	0	5	3	2	0	2	2	0	0
(57) Diseases of pericardium and acute myocarditis	2	1	1	0	0	0	0	0	2	1	1	0
(58) Heart failure	335	327	8	0	151	148	3	0	184	179	5	0
(59) All other forms of heart disease	525	510	12	3	244	239	5	0	281	271	7	3
(60#) Essential hypertension and hypertensive renal disease	61	60	1	0	24	24	0	0	37	36	1	0
(61#) Cerebrovascular diseases	458	439	16	3	212	203	7	2	246	236	9	1
(62#) Atherosclerosis	12	12	0	0	5	5	0	0	7	7	0	0
Other diseases of circulatory system	93	82	7	4	54	49	3	2	39	33	4	2
(63#) Aortic aneurysm and dissection	55	49	2	4	36	32	2	2	19	17	0	2
(64) Other diseases of arteries, arterioles and capillaries	38	33	5	0	18	17	1	0	20	16	4	0
(65) Other disorders of circulatory system	16	16	0	0	8	8	0	0	8	8	0	0
(#) Influenza and pneumonia	184	176	7	1	88	83	5	0	96	93	2	1
(66) Influenza	32	32	0	0	11	11	0	0	21	21	0	0
(67) Pneumonia	152	144	7	1	77	72	5	0	75	72	2	1
(#) Chronic lower respiratory diseases	678	645	29	4	324	311	11	2	354	334	18	2
(70) Bronchitis, chronic and unspecified	5	4	1	0	2	1	1	0	3	3	0	0
(71) Emphysema	34	34	0	0	18	18	0	0	16	16	0	0
(72) Asthma	12	11	0	1	5	4	0	1	7	7	0	0
(73) Other chronic lower respiratory diseases	627	596	28	3	299	288	10	1	328	308	18	2
(74#) Pneumoconioses and chemical effects	12	12	0	0	8	8	0	0	4	4	0	0
(75#) Pneumonitis due to solids and liquids	67	62	5	0	37	34	3	0	30	28	2	0
(76) Other diseases of respiratory system	140	129	10	1	78	73	4	1	62	56	6	0
(77#) Peptic ulcer	5	5	0	0	0	0	0	0	5	5	0	0
(79#) Hernia	5	4	1	0	2	1	1	0	3	3	0	0
(#) Chronic liver disease and cirrhosis	179	124	53	2	101	69	31	1	78	55	22	1
(80) Alcoholic liver disease	121	76	43	2	70	41	28	1	51	35	15	1
(81) Other chronic liver disease and cirrhosis	58	48	10	0	31	28	3	0	27	20	7	0
(82#) Cholelithiasis and other disorders of gallbladder	17	17	0	0	8	8	0	0	9	9	0	0
(#) Nephritis, nephrotic syndrome and nephrosis	120	100	20	0	62	54	8	0	58	46	12	0
(83) Acute and rapidly progressive nephritic and nephrotic syndrome	1	1	0	0	1	1	0	0	0	0	0	0
(84) Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified	1	1	0	0	1	1	0	0	0	0	0	0
(85) Renal failure	118	98	20	0	60	52	8	0	58	46	12	0
(87#) Infections of kidney	2	2	0	0	0	0	0	0	2	2	0	0
(88#) Hyperplasia of prostate	5	4	1	0	5	4	1	0	0	0	0	0
(89#) Inflammatory diseases of female pelvic organs	1	1	0	0	0	0	0	0	1	1	0	0

\* Any racial category may include "Hispanic"; "Other" also includes race not stated.

\*\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at

<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20113%20Selected%20Causes%20of%20Death.pdf>. Those marked with a "#" sign are rankable as leading causes.

^ American Indian or Alaska Native

**Table D-2**  
**Frequency of Death by Sex, Race\* and 113 Selected Underlying Causes and Enterocolitis due to Clostridium Difficile\*\***  
**Montana Residents, 2015**

Cause of Death**	Total***				MALE				FEMALE			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
(#) Pregnancy, childbirth and the puerperium	1	0	1	0	0	0	0	0	1	0	1	0
(91) Other complications of pregnancy childbirth and the puerperium	1	0	1	0	0	0	0	0	1	0	1	0
(92#) Certain conditions originating in the perinatal period	23	16	6	1	12	9	3	0	11	7	3	1
(93#) Congenital malformations deformations and chromosomal abnormalities	45	40	3	2	31	27	2	2	14	13	1	0
(94) Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	171	155	16	0	68	60	8	0	103	95	8	0
(95) All other diseases (Residual)	1,381	1,303	71	7	613	576	35	2	768	727	36	5
(#) Accidents (unintentional injuries)	632	553	75	4	398	351	44	3	234	202	31	1
Transport accidents	234	191	40	3	158	133	22	3	76	58	18	0
(96) Motor vehicle accidents	219	177	39	3	145	121	21	3	74	56	18	0
(97) Other land transport accidents	5	4	1	0	4	3	1	0	1	1	0	0
(98) Water, air and space, and other and unspecified transport accidents and their sequelae	10	10	0	0	9	9	0	0	1	1	0	0
Nontransport accidents	398	362	35	1	240	218	22	0	158	144	13	1
(99) Falls	171	165	6	0	95	90	5	0	76	75	1	0
(100) Accidental discharge of firearms	4	4	0	0	2	2	0	0	2	2	0	0
(101) Accidental drowning and submersion	11	10	1	0	9	9	0	0	2	1	1	0
(102) Accidental exposure to smoke, fire and flames	9	9	0	0	7	7	0	0	2	2	0	0
(103) Accidental poisoning and exposure to noxious substances	95	78	16	1	58	50	8	0	37	28	8	1
(104) All other and unspecified nontransport accidents and their sequelae	108	96	12	0	69	60	9	0	39	36	3	0
(#) Intentional self-harm (suicide)	271	252	19	0	206	192	14	0	65	60	5	0
(105) Intentional self-harm (suicide) by discharge of firearms	174	167	7	0	144	139	5	0	30	28	2	0
(106) Intentional self-harm (suicide) by other and unspecified means and their sequelae	97	85	12	0	62	53	9	0	35	32	3	0
(#) Assault (homicide)	38	27	10	1	26	20	6	0	12	7	4	1
(107) Assault (homicide) by discharge of firearms	20	15	4	1	15	13	2	0	5	2	2	1
(108) Assault (homicide) by other and unspecified means and their sequelae	18	12	6	0	11	7	4	0	7	5	2	0
(109#) Legal intervention	4	4	0	0	4	4	0	0	0	0	0	0
Events of undetermined intent	47	41	5	1	25	21	3	1	22	20	2	0
(110) Discharge of firearms, undetermined intent	3	3	0	0	3	3	0	0	0	0	0	0
(111) Other and unspecified events of undetermined intent and their sequelae	44	38	5	1	22	18	3	1	22	20	2	0
(113#) Complications of medical and surgical care	7	7	0	0	5	5	0	0	2	2	0	0
(#) Enterocolitis due to Clostridium difficile	11	10	1	0	2	2	0	0	9	8	1	0

\* Any racial category may include "Hispanic"; "Other" also includes race not stated.

\*\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at

<http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20113%20Selected%20Causes%20of%20Death.pdf>. Those marked with a "#" sign are rankable as leading causes.

^ American Indian or Alaska Native

**Table D-3**  
**Frequency and Rate of Death from Selected Underlying Causes by Year**  
**Montana Residents, 1953-2015**

Year of Death	Accidents - Total		Accidents - Motor Vehicle		Accidents - Other		Alcoholism		Cancer		Diabetes		Heart Disease		Homicide		Nephritis		Pneumonia		Suicide	
	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*
2015	632	61.1	219	21.2	413	39.9	56	5.4	2,130	206.2	321	31.0	2,104	203.6	38	3.6	120	11.6	152	14.7	271	26.2
2014	572	55.9	197	19.2	375	36.6	66	6.4	2,054	200.7	250	24.4	1,942	189.7	29	2.8	125	12.2	168	16.4	249	24.3
2013	595	58.6	220	21.6	375	36.9	68	6.7	1,983	195.4	252	24.8	1,975	194.6	32	3.1	131	12.9	172	16.9	238	23.4
2012	551	54.8	195	19.3	356	35.4	54	5.3	1,927	191.7	231	22.9	1,876	186.6	25	2.4	99	9.8	143	14.2	226	22.4
2011	579	58.0	193	19.3	386	38.6	46	4.6	1,992	199.6	246	24.6	1,906	191.0	23	2.3	96	9.6	150	15.0	224	22.4
2010	545	55.0	192	19.3	353	35.6	44	4.4	1,912	193.0	226	22.8	1,842	185.9	29	2.9	134	13.5	168	16.9	227	22.9
2009	610	61.9	222	22.5	388	39.4	49	4.9	1,909	194.0	228	23.1	1,825	185.4	33	3.3	129	13.1	158	16.0	218	22.1
2008	589	60.3	216	22.1	373	38.2	49	5.0	1,854	189.8	254	26.0	1,968	201.5	39	3.9	153	15.6	165	16.8	203	20.7
2007	603	62.5	267	27.6	336	34.8	36	3.7	1,906	197.5	258	26.7	1,968	192.8	23	2.3	109	11.2	175	18.1	192	19.9
2006	545	57.2	261	27.3	284	29.8	63	6.6	1,940	203.6	251	26.3	1,857	194.9	35	3.6	132	13.8	164	17.2	188	19.7
2005	517	54.9	233	24.7	284	30.2	39	4.1	1,947	207.1	283	30.1	1,842	195.9	32	3.4	109	11.5	186	19.7	205	21.8
2004	527	56.6	235	25.2	292	31.3	32	3.4	1,858	199.7	236	25.3	1,834	197.2	25	2.6	107	11.5	161	17.3	173	18.6
2003	511	55.5	254	27.6	257	27.9	39	4.2	1,838	199.8	263	28.5	1,974	214.6	37	4.0	101	10.9	238	25.8	179	19.4
2002	523	57.3	250	27.4	273	29.9	30	3.2	1,901	208.5	211	23.1	1,931	211.8	23	2.5	104	11.4	247	27.0	182	19.9
2001	468	51.6	209	23.0	259	28.5	35	3.8	1,952	215.2	229	25.2	1,962	216.3	31	3.4	127	14.0	191	21.0	174	19.1
2000	484	53.5	228	25.2	256	28.3	29	3.2	1,861	205.9	226	25.0	1,985	219.6	35	3.8	115	12.7	192	21.2	157	17.3
1999	461	51.3	191	21.2	270	30.0	22	2.4	1,845	205.5	243	27.0	2,034	226.6	32	3.5	93	10.3	213	23.7	161	17.9
1998	463	51.8	219	24.5	244	27.3	34	3.8	1,816	203.4	196	21.9	2,001	224.2	26	2.9	90	10.0	311	34.8	156	17.4
1997	443	49.7	230	25.8	213	23.9	18	±	1,779	199.9	169	18.9	2,097	235.6	37	4.1	98	11.0	299	33.6	179	20.1
1996	396	44.6	191	21.5	205	23.1	23	2.5	1,762	198.8	187	21.0	2,131	240.4	37	4.1	81	9.1	238	26.8	174	19.6
1995	374	42.6	191	21.7	183	20.8	21	2.3	1,765	201.3	210	23.9	2,003	228.5	45	5.1	56	6.3	313	35.7	197	22.4
1994	391	45.3	192	22.2	199	23.1	31	3.5	1,740	202.0	215	24.9	1,907	221.4	34	3.9	76	8.8	276	32.0	159	18.4
1993	375	44.3	182	21.5	193	22.8	26	3.0	1,738	205.7	191	22.6	2,110	249.7	39	4.6	59	6.9	249	29.4	154	18.2
1992	399	48.3	182	22.0	217	26.2	29	3.5	1,710	207.0	164	19.8	1,904	230.5	35	4.2	56	6.7	259	31.3	151	18.2
1991	384	47.4	183	22.6	201	24.8	19	±	1,656	204.5	181	22.3	1,944	240.0	36	4.4	51	6.2	245	30.2	167	20.6
1990	398	49.7	210	26.2	188	23.4	21	2.6	1,630	203.6	154	19.2	1,947	243.3	35	4.3	48	5.9	213	26.6	167	20.8
1989	360	44.6	171	21.2	189	23.4	16	±	1,593	197.7	170	21.1	2,019	250.6	32	3.9	47	5.8	224	27.8	159	19.7
1988	368	45.7	200	24.8	168	20.8	22	2.7	1,561	193.9	154	19.1	2,057	255.5	35	4.3	60	7.4	219	27.2	153	19.0
1987	416	51.4	223	27.5	193	23.8	22	2.7	1,516	187.3	116	14.3	2,109	260.6	39	4.8	60	7.4	192	23.7	159	19.6
1986	403	49.2	228	27.8	175	21.3	27	3.2	1,475	180.0	109	13.3	2,196	268.1	41	5.0	40	4.8	205	25.0	181	22.1
1985	417	50.4	210	25.4	207	25.0	20	2.4	1,445	174.9	123	14.8	2,201	266.4	49	5.9	58	7.0	211	25.5	144	17.4
1984	440	53.3	233	28.2	207	25.1	18	±	1,467	178.0	113	13.7	2,270	275.4	37	4.4	57	6.9	204	24.7	137	16.6
1983	516	63.1	267	32.6	249	30.4	16	±	1,350	165.2	103	12.6	2,241	274.2	33	4.0	62	7.5	219	26.8	143	17.5
1982	471	58.8	236	29.4	235	29.3	30	3.7	1,384	172.7	115	14.3	2,236	279.1	36	4.4	57	7.1	196	24.4	126	15.7
1981	553	69.7	308	38.8	245	30.8	32	4.0	1,343	169.3	95	11.9	2,279	287.3	47	5.9	70	8.8	171	21.5	137	17.2
1980	570	72.4	311	39.5	259	32.9	25	3.1	1,291	164.1	103	13.0	2,332	296.4	40	5.0	43	5.4	169	21.4	116	14.7
1979	596	75.8	313	39.8	283	36.0	22	2.7	1,240	157.7	94	11.9	2,302	292.8	39	4.9	46	5.8	143	18.1	123	15.6
1978	558	71.0	276	35.1	282	35.9	23	2.9	1,233	157.0	114	14.5	2,169	276.3	40	5.0	20	2.5	199	25.3	122	15.5
1977	574	75.4	302	39.6	272	35.7	25	3.2	1,184	155.5	89	11.6	2,149	282.3	53	6.9	24	3.1	144	18.9	143	18.7
1976	579	76.8	291	38.6	288	38.2	23	3.0	1,191	158.1	100	13.2	2,178	289.2	38	5.0	17	±	207	27.4	129	17.1
1975	584	78.0	282	37.7	302	40.3	28	3.7	1,105	147.7	122	16.3	2,178	291.1	42	5.6	19	±	185	24.7	112	14.9
1974	559	76.0	272	37.0	287	39.0	14	±	1,130	153.7	103	14.0	2,202	299.5	44	5.9	20	2.7	192	26.1	122	16.5
1973	611	84.7	324	44.9	287	39.8	20	2.7	1,061	147.1	126	17.4	2,300	319.0	46	6.3	27	3.7	236	32.7	108	14.9
1972	635	88.3	360	50.0	275	38.2	17	±	1,122	156.0	135	18.7	2,294	319.0	32	4.4	17	±	220	30.5	87	12.1
1971	609	85.7	310	43.6	299	42.1	19	±	1,051	148.0	120	16.9	2,339	329.4	43	6.0	19	±	210	29.5	117	16.4
1970	571	82.2	290	41.7	281	40.4	25	3.6	1,059	152.5	111	15.9	2,229	320.9	30	4.3	26	3.7	213	30.6	79	11.3
1969	635	91.4	329	47.4	306	44.0	10	±	1,041	150.0	117	16.8	2,297	330.9	31	4.4	21	3.0	201	28.9	91	13.1
1968	535	77.2	262	37.8	273	39.3	29	4.1	1,080	155.8	119	17.1	2,223	320.7	25	3.6	20	2.8	213	30.7	97	13.9
1967	607	86.5	318	45.3	289	41.2	12	±	1,001	142.7	143	20.3	2,297	327.6	31	4.4	38	5.4	196	27.9	100	14.2
1966	560	79.7	265	37.7	295	42.0	24	3.4	969	138.0	106	15.0	2,415	344.0	23	3.2	42	5.9	230	32.7	96	13.6
1965	591	83.7	268	37.9	323	45.7	14	±	933	132.1	114	16.1	2,297	325.3	20	2.8	35	4.9	198	28.0	94	13.3
1964	648	91.9	250	35.4	398	56.4	13	±	986	139.8	139	19.7	2,368	335.8	30	4.2	45	6.3	226	32.0	80	11.3
1963	517	73.1	218	30.8	299	42.2	12	±	896	126.7	125	17.6	2,340	330.9	22	3.1	42	5.9	218	30.8	115	16.2
1962	550	77.5	232	32.7	318	44.8	19	±	911	128.4	121	17.0	2,204	310.8	21	2.9	63	8.8	195	27.5	110	15.5
1961	518	75.9	270	39.5	248	36.3	18	±	965	141.4	117	17.1	2,269	332.6	21	3.0	41	6.0	219	32.1	96	14.0
1960	510	75.5	226	33.4	284	42.0	13	±	958	141.9	102	15.1	2,332	345.6	25	3.7	51	7.5	227	33.6	107	15.8
1959	565	84.4	258	38.5	307	45.8	15	±	920	137.5	123	18.3	2,382	356.0	29	4.3	58	8.6	231	34.5	97	14.4
1958	497	74.6	206	30.9	291	43.6	18	±	859	128.9	109	16.3	2,244	336.9	17	±	53	7.9	260	39.0	101	15.1
1957	541	81.1	219	32.8	322	48.2	20	2.9	877	131.4	118	17.6	2,290	343.3	23	3.4	71	10.6	249	37.3	105	15.7

**Table D-3**  
**Frequency and Rate of Death from Selected Underlying Causes by Year**  
**Montana Residents, 1953-2015**

Year of Death	Accidents - Total		Accidents - Motor Vehicle		Accidents - Other		Alcoholism		Cancer		Diabetes		Heart Disease		Homicide		Nephritis		Pneumonia		Suicide	
	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*
1954	531	85.0	219	35.0	312	50.0	19	‡	868	139.1	95	15.2	2,128	341.0	29	4.6	90	14.4	179	28.6	104	16.6
1953	534	86.6	228	37.0	306	49.6	17	‡	809	131.3	73	11.8	2,164	351.2	23	3.7	77	12.5	180	29.2	106	17.2

Dark shaded rows indicate years in which the International Statistical Classification of Diseases and Related Health Problems (ICD) was revised.

Classification of certain causes of death may have varied somewhat because of those coding changes alone.

Details are provided by the World Health Organization at <http://www.who.int/classifications/icd/en/>

\* Per 100,000 estimated midyear population. U.S. Census enumerations are used for years ending in zero prior to 1990.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table D-4**  
**Frequency and Rate of Death from Selected Communicable Disease by Year\***  
**Montana, 1930-2015**

Year Of Death	Botulism+		Diphtheria		Influenza		Measles		Meningococcal Infection		Poliomyelitis		Rocky Mountain Spotted Fever		Tuberculosis		Typhoid Fever		Whooping Cough	
	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^
2015	0	‡	0	‡	32	3.0	0	‡	0	‡	0	‡	0	‡	2	‡	0	‡	0	‡
2014	0	‡	0	‡	10	‡	0	‡	0	‡	2	‡	0	‡	4	‡	0	‡	1	‡
2013	0	‡	0	‡	33	3.2	0	‡	0	‡	0	‡	0	‡	2	‡	0	‡	0	‡
2012	0	‡	0	‡	12	‡	0	‡	0	‡	3	‡	0	‡	1	‡	0	‡	0	‡
2011	0	‡	0	‡	6	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
2010	0	‡	0	‡	0	‡	0	‡	0	‡	2	‡	0	‡	0	‡	0	‡	0	‡
2009	0	‡	0	‡	6	‡	0	‡	0	‡	3	‡	0	‡	0	‡	0	‡	0	‡
2008	0	‡	0	‡	3	‡	0	‡	2	‡	7	‡	0	‡	5	‡	0	‡	0	‡
2007	0	‡	0	‡	5	‡	0	‡	0	‡	2	‡	0	‡	1	‡	0	‡	0	‡
2006	0	‡	0	‡	6	‡	0	‡	0	‡	5	‡	0	‡	1	‡	0	‡	0	‡
2005	0	‡	0	‡	26	2.7	0	‡	0	‡	0	‡	0	‡	3	‡	0	‡	1	‡
2004	0	‡	0	‡	4	‡	0	‡	0	‡	2	‡	0	‡	0	‡	0	‡	0	‡
2003	0	‡	0	‡	18	‡	0	‡	0	‡	2	‡	0	‡	1	‡	0	‡	0	‡
2002	0	‡	0	‡	7	‡	0	‡	0	‡	1	‡	0	‡	0	‡	0	‡	0	‡
2001	0	‡	0	‡	3	‡	0	‡	2	‡	1	‡	0	‡	3	‡	0	‡	0	‡
2000	0	‡	0	‡	10	‡	0	‡	0	‡	1	‡	0	‡	4	‡	0	‡	0	‡
1999	0	‡	0	‡	35	3.8	0	‡	1	‡	0	‡	0	‡	3	‡	0	‡	0	‡
1998	0	‡	0	‡	60	6.7	0	‡	0	‡	1	‡	0	‡	4	‡	0	‡	0	‡
1997	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
1996	0	‡	0	‡	11	‡	0	‡	2	‡	2	‡	0	‡	1	‡	0	‡	1	‡
1995	0	‡	0	‡	6	‡	0	‡	1	‡	2	‡	0	‡	2	‡	0	‡	0	‡
1994	0	‡	0	‡	15	‡	0	‡	1	‡	0	‡	0	‡	6	‡	0	‡	0	‡
1993	0	‡	0	‡	13	‡	0	‡	0	‡	0	‡	0	‡	2	‡	0	‡	0	‡
1992	0	‡	0	‡	7	‡	0	‡	0	‡	1	‡	0	‡	4	‡	0	‡	0	‡
1991	0	‡	0	‡	7	‡	0	‡	0	‡	1	‡	0	‡	4	‡	0	‡	0	‡
1990	0	‡	0	‡	15	‡	0	‡	2	‡	0	‡	0	‡	2	‡	0	‡	0	‡
1989	0	‡	0	‡	19	‡	0	‡	0	‡	2	‡	0	‡	5	‡	0	‡	0	‡
1988	0	‡	0	‡	21	2.6	0	‡	0	‡	1	‡	0	‡	2	‡	0	‡	0	‡
1987	0	‡	0	‡	9	‡	0	‡	0	‡	0	‡	0	‡	4	‡	0	‡	0	‡
1986	0	‡	0	‡	24	2.9	0	‡	0	‡	0	‡	0	‡	5	‡	0	‡	0	‡
1985	0	‡	0	‡	24	2.9	0	‡	3	‡	0	‡	0	‡	5	‡	0	‡	1	‡
1984	0	‡	0	‡	19	‡	0	‡	0	‡	2	‡	0	‡	10	‡	0	‡	0	‡
1983	0	‡	0	‡	26	3.1	0	‡	1	‡	1	‡	0	‡	1	‡	0	‡	0	‡

Dark shaded rows indicate years in which the International Statistical Classification of Diseases and Related Health Problems (ICD) was revised. Classification of certain causes of death may have varied somewhat because of those coding changes alone. Details are provided by the World Health Organization at <http://www.who.int/classifications/icd/en/>

\* Data prior to 1946 are by place of occurrence. Beginning in 1946, data are by place of residence.

+ Prior to 1949 the International Classification of Diseases did not permit identification of botulism as such. The more general rubric of "Food Poisoning" was reported. The deaths shown prior to 1968 include those assigned to "Food Poisoning Unspecified".

^ Per 100,000 estimated midyear population. U.S. Census enumerations are used for years ending in zero prior to 1990.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.



**Table D-4**  
**Frequency and Rate of Death from Selected Communicable Disease by Year\***  
**Montana, 1930-2015**

Year Of Death	Botulism+		Diphtheria		Influenza		Measles		Meningococcal Infection		Poliomyelitis		Rocky Mountain Spotted Fever		Tuberculosis		Typhoid Fever		Whooping Cough	
	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^
1982	0	‡	0	‡	8	‡	0	‡	1	‡	0	‡	0	‡	7	‡	0	‡	0	‡
1981	1	‡	0	‡	10	‡	0	‡	1	‡	0	‡	0	‡	7	‡	0	‡	0	‡
1980	0	‡	0	‡	24	3.0	0	‡	0	‡	0	‡	0	‡	6	‡	0	‡	0	‡
1979	0	‡	0	‡	4	‡	0	‡	4	‡	0	‡	0	‡	5	‡	0	‡	0	‡
1978	0	‡	0	‡	19	‡	0	‡	2	‡	1	‡	0	‡	11	‡	0	‡	0	‡
1977	0	‡	0	‡	9	‡	0	‡	2	‡	0	‡	0	‡	4	‡	0	‡	0	‡
1976	0	‡	0	‡	95	12.6	0	‡	0	‡	0	‡	0	‡	9	‡	0	‡	0	‡
1975	0	‡	0	‡	17	‡	0	‡	0	‡	1	‡	1	‡	13	‡	0	‡	0	‡
1974	0	‡	0	‡	11	‡	0	‡	1	‡	1	‡	0	‡	17	‡	0	‡	0	‡
1973	0	‡	0	‡	43	5.9	0	‡	2	‡	0	‡	0	‡	13	‡	0	‡	0	‡
1972	0	‡	0	‡	15	‡	0	‡	2	‡	0	‡	0	‡	11	‡	0	‡	0	‡
1971	0	‡	0	‡	9	‡	2	‡	2	‡	1	‡	0	‡	1	‡	0	‡	1	‡
1965	0	‡	0	‡	5	‡	0	‡	3	‡	0	‡	0	‡	22	3.1	0	‡	0	‡
1960	0	‡	0	‡	37	5.4	1	‡	3	‡	7	‡	1	‡	31	4.5	0	‡	1	‡
1955	0	‡	1	‡	12	‡	4	‡	5	‡	8	‡	0	‡	50	7.8	0	‡	1	‡
1950	0	‡	2	‡	23	3.8	0	‡	1	‡	3	‡	1	‡	114	19.2	0	‡	10	‡
1945	1	‡	4	‡	47	9.3	1	‡	3	‡	10	‡	1	‡	171	33.8	2	‡	2	‡
1940	2	‡	6	‡	77	13.7	5	‡	6	‡	7	‡	7	‡	231	41.2	3	‡	5	‡
1935	3	‡	14	‡	173	31.5	49	8.9	15	‡	1	‡	21	3.8	257	46.8	12	‡	22	4.0
1930	7	‡	4	‡	102	18.9	12	‡	22	4.0	6	‡	9	‡	337	62.6	16	‡	16	‡

Dark shaded rows indicate years in which the International Statistical Classification of Diseases and Related Health Problems (ICD) was revised. Classification of certain causes of death may have varied somewhat because of those coding changes alone. Details are provided by the World Health Organization at <http://www.who.int/classifications/icd/en/>

\* Data prior to 1946 are by place of occurrence. Beginning in 1946, data are by place of residence.

+ Prior to 1949 the International Classification of Diseases did not permit identification of botulism as such. The more general rubric of "Food Poisoning" was reported. The deaths shown prior to 1968 include those assigned to "Food Poisoning Unspecified".

^ Per 100,000 estimated midyear population. U.S. Census enumerations are used for years ending in zero prior to 1990.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table D-5**  
**Frequency of Death from Selected Cancers by Sex of Decedent and Year of Death**  
**Montana Residents, 1960-2015**

Year Of Death	All Cancers		Prostate	Breast		Trachea, Lung & Bronchus		Colon, Rectum & Anus		Bladder		Uterus	Hodgkin's & Non-Hodgkin's Lymphoma		Ovary	Pancreas		Cervix	Other Cancers	
	Male	Female	Male	Male	Female	Male	Female	Male	Female	Male	Female	Female	Male	Female	Female	Male	Female	Female	Male	Female
2015	1,146	984	119	1	146	271	268	104	88	59	13	34	34	29	50	78	75	10	480	271
2014	1,079	975	121	0	135	273	283	104	85	42	20	28	47	31	42	60	68	7	432	276
2013	1,037	946	114	2	137	250	240	94	67	47	15	36	33	28	49	72	66	19	425	289
2012	1,024	903	101	1	133	262	231	92	81	44	18	25	46	40	54	46	58	10	432	253
2011	1,074	918	105	2	134	323	253	89	70	46	11	25	46	22	60	77	59	5	386	279
2010	1,032	880	133	2	133	238	236	92	76	54	10	25	46	22	56	56	52	7	411	263
2009	993	916	132	1	146	244	233	100	100	44	14	23	43	37	64	67	42	13	362	244
2008	997	857	120	2	103	303	237	73	87	36	13	24	43	29	53	60	58	9	360	244
2007	984	922	115	0	116	290	272	74	87	38	16	23	35	41	55	60	47	9	372	256
2006	1,023	917	129	0	111	287	237	100	104	30	9	28	41	31	50	66	62	10	370	275
2005	1,020	927	129	0	134	301	249	99	88	33	14	33	44	36	59	60	53	11	354	250
2004	963	895	130	1	138	262	240	80	69	39	16	29	49	37	52	58	55	10	344	249
2003	961	877	109	1	115	298	236	78	86	34	13	20	41	43	50	48	41	12	352	261
2002	959	942	110	2	150	287	240	100	84	28	11	31	38	29	64	45	44	9	349	280
2001	1,045	907	124	0	124	322	256	105	80	39	15	23	56	35	43	39	61	7	360	263
2000	1,008	853	108	2	130	279	204	108	90	37	17	26	41	30	50	57	43	13	376	250
1999	978	867	128	3	122	288	217	93	92	29	13	19	32	52	52	49	40	15	356	245
1998	1,009	807	125	2	118	321	204	95	70	36	13	27	44	35	46	54	38	12	332	244
1997	958	821	151	0	116	264	212	100	80	32	13	18	58	40	54	44	37	11	309	240
1996	942	820	125	0	143	291	194	95	86	20	9	20	39	47	41	38	42	13	334	225
1995	918	847	125	0	159	263	201	89	83	40	6	19	43	36	51	57	55	8	301	229
1994	975	765	133	1	123	283	174	99	85	35	9	18	45	33	45	51	43	12	328	223
1993	941	797	158	3	138	278	172	107	94	24	12	21	37	37	43	48	45	19	286	216
1992	927	783	147	0	143	279	162	86	79	25	14	22	39	32	45	31	60	14	320	212
1991	894	762	118	1	122	289	175	95	87	31	8	20	42	37	42	46	53	13	272	205
1990	863	767	130	0	151	267	140	92	88	25	17	28	30	42	35	33	50	11	286	205
1989	880	713	150	0	127	257	133	106	105	33	9	18	41	18	43	35	40	17	258	203
1988	831	730	110	4	117	251	163	95	74	25	16	17	35	34	44	41	50	16	270	199
1987	832	684	121	3	124	259	117	103	95	23	7	23	34	29	50	28	39	9	261	191
1986	791	684	134	0	130	233	124	91	85	30	12	25	26	22	42	37	43	17	240	184
1985	829	616	118	1	108	223	118	100	84	44	8	23	27	26	35	48	31	15	268	168
1984	763	704	88	1	124	231	128	83	91	17	11	28	28	26	38	43	39	16	272	203
1983	732	618	92	2	112	218	90	73	64	24	3	20	30	22	45	38	54	12	255	196
1982	757	627	120	2	130	218	92	82	70	27	11	32	18	21	37	42	31	15	248	188
1981	712	631	109	0	125	207	92	84	84	21	15	13	25	31	40	36	29	9	230	193
1980	743	548	91	0	98	237	75	83	82	23	9	14	26	26	34	49	36	15	234	159
1979	672	568	99	1	105	194	69	77	84	27	12	23	17	18	39	37	31	20	220	167
1978	703	530	113	1	95	199	86	85	72	26	9	22	24	17	36	38	26	14	217	153
1977	677	507	81	0	90	207	60	82	66	28	7	16	28	13	35	42	34	13	209	173
1976	684	507	92	0	107	197	58	90	70	24	13	18	30	17	29	31	35	9	220	151
1975	629	476	74	0	85	167	53	81	70	20	4	20	20	20	30	33	34	15	234	145
1974	629	501	76	1	88	196	48	79	80	25	5	19	31	24	28	33	42	22	188	145
1973	580	481	86	0	85	172	37	67	87	19	8	9	19	21	25	30	42	15	187	152
1972	637	485	79	0	92	164	44	85	69	25	7	16	17	20	25	37	34	16	230	162

Dark shaded rows indicate years in which the International Statistical Classification of Diseases and Related Health Problems (ICD) was revised.

Classification of certain causes of death may have varied somewhat because of those coding changes alone.

Details are provided by the World Health Organization at <http://www.who.int/classifications/icd/en/>

**Table D-5**  
**Frequency of Death from Selected Cancers by Sex of Decedent and Year of Death**  
**Montana Residents, 1960-2015**

Year Of Death	All Cancers		Prostate	Breast		Trachea, Lung & Bronchus		Colon, Rectum & Anus		Bladder		Uterus	Hodgkin's & Non-Hodgkin's Lymphoma		Ovary	Pancreas		Cervix	Other Cancers	
	Male	Female	Male	Male	Female	Male	Female	Male	Female	Male	Female	Female	Male	Female	Female	Male	Female	Female	Male	Female
1971	643	408	70	3	88	177	35	78	58	35	8	11	23	15	17	35	27	18	222	131
1970	598	461	75	2	101	152	34	66	74	31	9	14	23	17	26	43	24	20	206	142
1969	619	422	66	0	93	158	28	83	71	26	7	15	34	23	19	39	23	13	213	130
1968	604	476	66	0	96	150	23	64	59	38	4	18	33	16	38	46	31	22	207	169
1967	549	452	66	0	98	121	26	81	63	26	6	19	20	17	37	39	18	28	196	140
1966	571	398	59	0	87	125	16	65	63	23	5	23	26	18	24	45	16	15	228	131
1965	546	387	71	0	78	121	23	73	66	20	4	15	25	17	23	43	17	23	193	121
1964	577	409	78	1	79	114	13	65	57	19	6	20	32	11	26	40	16	32	228	149
1963	543	353	59	1	68	103	16	71	51	19	8	16	31	13	20	32	21	20	227	120
1962	528	383	65	0	84	109	12	64	54	15	3	14	26	14	28	44	22	21	205	131
1961	524	441	62	0	98	115	23	78	76	20	7	17	22	14	27	30	21	27	197	131
1960	557	401	78	0	85	121	17	81	56	16	7	20	32	9	25	30	20	26	199	136

Dark shaded rows indicate years in which the International Statistical Classification of Diseases and Related Health Problems (ICD) was revised. Classification of certain causes of death may have varied somewhat because of those coding changes alone. Details are provided by the World Health Organization at <http://www.who.int/classifications/icd/en/>

**Table D-6**  
**Frequency of Infant Deaths by Age and up to 130 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause of Death	Total	0 to 7 Days	8 to 27 Days	28 Days to One Year
All Causes	75	31	14	30
Certain infectious and parasitic diseases	3	0	0	3
Viral diseases	2	0	0	2
(16) Other and unspecified viral diseases	2	0	0	2
(20) All other and unspecified infectious and parasitic diseases	1	0	0	1
Diseases of the nervous system	2	0	0	2
(37) Other diseases of nervous system	2	0	0	2
Diseases of the respiratory system	3	0	0	3
(49#) Bronchitis, chronic and unspecified	1	0	0	1
(52) Other and unspecified diseases of respiratory system	2	0	0	2
Diseases of the digestive system	1	0	0	1
(54#) Hernia of abdominal cavity and intestinal obstruction without hernia	1	0	0	1
Certain conditions originating in the perinatal period	22	18	4	0
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	8	8	0	0
# Newborn affected by maternal complications of pregnancy	13	13	0	0
(62) Newborn affected by multiple pregnancy	1	1	0	0
(63) Newborn affected by other maternal complications of pregnancy	1	1	0	0
(#) Newborn affected by complications of placenta, cord and membranes	5	5	0	0
(64) Newborn affected by complications involving placenta	2	2	0	0
(66) Newborn affected by chorioamnionitis	2	2	0	0
(67) Newborn affected by other and unspecified abnormalities of membranes	1	1	0	0
(68#) Newborn affected by other complications of labor and delivery	1	1	0	0
Disorders related to length of gestation and fetal malnutrition	5	5	0	0
(#) Disorders related to short gestation and low birth weight, not elsewhere classified	5	5	0	0
(71) Extremely low birth weight or extreme immaturity	4	4	0	0
(72) Other low birth weight or preterm	1	1	0	0
Other respiratory conditions originating in the perinatal period	2	1	1	0
(84) All other respiratory conditions originating in the perinatal period	1	1	0	0
Infections specific to the perinatal period	3	1	2	0
(85#) Bacterial sepsis of newborn	2	1	1	0
(87) All other infections specific to the perinatal period	1	0	1	0
(95) Other perinatal conditions	4	3	1	0
(#) Congenital malformations, deformations and chromosomal abnormalities	21	12	3	6
(97) Congenital hydrocephalus	1	0	0	1
(99) Other congenital malformations of nervous system	1	1	0	0
(100) Congenital malformations of heart	3	1	0	2
(101) Other congenital malformations of circulatory system	1	1	0	0
(104) Congenital malformations of genitourinary system	1	1	0	0
(105) Congenital malformations and deformations of musculoskeletal system, limbs and integument	2	2	0	0

Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20130%20Selected%20Causes%20of%20Infant%20Death.pdf>. Those marked with a "#" sign are rankable as leading causes.

**Table D-6**  
**Frequency of Infant Deaths by Age and up to 130 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause of Death	Total	0 to 7 Days	8 to 27 Days	28 Days to One Year
(107) Edward's syndrome	1	0	1	0
(108) Patau's syndrome	1	1	0	0
(109) Other congenital malformations and deformations	7	4	1	2
(110) Other chromosomal abnormalities, not elsewhere classified	3	1	1	1
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	20	0	6	14
(111#) Sudden infant death syndrome	12	0	4	8
(112) Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	8	0	2	6
External causes of mortality	3	1	1	1
(#) Accidents (unintentional injuries)	3	1	1	1
(119) Accidental suffocation and strangulation in bed	3	1	1	1

Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20130%20Selected%20Causes%20of%20Infant%20Death.pdf>. Those marked with a "#" sign are rankable as leading causes.

**Table D-7**  
**Frequency of Infant Deaths by Age in Days**  
**and Five-Year Infant Mortality Rate**  
**Montana Residents, 1991-2015**

Year	Births	0-7 Days	8-27 Days	28 Days to 1 Year	Infant Deaths	Infant Death Rate*
2011-2015	61,453	173	46	127	349	5.7
2006-2010	61,869	156	45	171	376	6.1
2001-2005	56,463	178	40	144	364	6.4
1996-2000	54,191	167	35	159	365	6.7
1991-1995	56,526	177	31	203	412	7.3

\* Rate per 1,000 live births

**Table D-8**  
**Frequency of Maternal and Late Maternal Deaths\* by Year**  
**Montana Residents, 2005-2015**

	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
Total, all Maternal and Late Maternal Causes	1	4	6	2	7	2	5	2	4	2	6
Maternal causes (A34,O00-O95,O98-O99)	0	3	4	0	5	1	5	1	2	0	1
Pregnancy with abortive outcome (O00-O07)	0	0	0	0	0	0	0	0	0	0	0
Ectopic pregnancy (O00)	0	0	0	0	0	0	0	0	0	0	0
Spontaneous abortion (O03)	0	0	0	0	0	0	0	0	0	0	0
Medical abortion (O04)	0	0	0	0	0	0	0	0	0	0	0
Other abortion (O05)	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified pregnancy with abortive outcome (O01-O02,O06-O07)	0	0	0	0	0	0	0	0	0	0	0
Other direct obstetric causes (A34,O10-O92)	0	3	3	0	1	0	1	1	1	0	0
Eclampsia and pre-eclampsia (O11,O13-O16)	0	0	1	0	1	0	1	0	1	0	0
Hemorrhage of pregnancy and childbirth and placenta previa (O20,O44-O46,O67,O72)	0	0	0	0	0	0	0	0	0	0	0
Complications predominately related to the puerperium (A34,O85-O92)	0	0	0	0	0	0	0	0	0	0	0
Obstetrical tetanus (A34)	0	0	0	0	0	0	0	0	0	0	0
Obstetric embolism (O88)	0	0	0	0	0	0	0	0	0	0	0
Other complications predominately related to the puerperium O85-O87,O89-O92)	0	0	0	0	0	0	0	0	0	0	0
All other direct obstetric causes (O10,O12,O21-O43,O47-O66,O68-O71,O73-O75)	0	3	2	0	0	0	0	1	0	0	0
Obstetric death of unspecified cause (O95)	0	0	1	0	1	1	0	0	0	0	0
Indirect obstetric causes (O98-O99)	0	0	0	0	3	0	4	0	1	0	1
Maternal causes more than 42 days after delivery or termination of pregnancy (O96-O97)	1	1	2	2	2	1	0	1	2	2	5
Death from any obstetric cause occurring more than 42 days but less than one year after delivery (O96)	1	1	2	2	2	1	0	1	2	2	5
Death from sequelae of direct obstetric causes (O97)	0	0	0	0	0	0	0	0	0	0	0

\* A "maternal death" is the death of a female while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and site of pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accident or incidental causes. Maternal conditions are those assigned to pregnancy, childbirth, and the puerperium (ICD-10 codes A34, 000-095, and 098-099). "Late maternal deaths" are those attributed to the same causes but which occurred more than 42 days after termination of the pregnancy. The 2003 revision of the Montana death certificate added a pregnancy history item which indicates whether the decedent was pregnant within the 12 months prior to death. This new item makes the identification of a greater number of maternal and late maternal deaths possible.

**Table D-9**  
**Age at Death and Years of Potential Life Lost Before Age 75**  
**by Cause of Death, Central Tendency and Dispersion\***  
**Montana Residents, 2011-2015**

Cause of Death	Decedents younger than 75 years of age					Decedents of all ages							
	Average YPLL			Number of decedents younger than 25	Total YPLL	Minimum age	Mean age	Median age			Maximum age	Standard Deviation	Number of deaths
	Race							Race					
	All Races	White	AI/AN					All Races	White	AI/AN			
All Causes	17.8	16.8	25.0	20,178	358,587	0	73.6	78	79	61	114	18.4	46,618
HIV Infection	24.7	24.9	25.7	22	543	36	51.8	52	51	54	84	11.7	23
Cancer	12.2	12.1	14.7	5,590	68,393	0	71.9	73	73	68	106	12.9	10,086
Diabetes	14.7	14.0	16.9	653	9,590	20	72.5	74	76	65	102	15.2	1,300
Alzheimer's Disease	5.4	5.3	8.0	83	445	59	86.7	88	88	84	103	7.4	1,314
Heart Disease	12.9	12.5	16.4	3,516	45,220	0	77.8	81	82	68	106	14.0	9,803
Cerebrovascular Disease	12.4	12.4	12.9	538	6,681	0	81.1	84	84	71	106	13.0	2,273
Atherosclerosis	12.3	11.5	18.3	23	284	48	79.5	81	82	59.5	105	12.6	85
Influenza And Pneumonia	15.8	14.5	27.6	214	3,379	0	80.8	85	86	75	106	15.5	880
Chronic Lower Respiratory Diseases	9.4	9.3	11.1	1,186	11,179	0	77.3	78	79	75	104	11.2	3,226
Chronic Liver Disease And Cirrhosis	20.0	17.8	25.6	673	13,468	21	57.6	57	59	51	94	12.5	751
Nephritis, Nephrotic Syndrome & Nephrosis	12.8	11.2	19.6	191	2,448	24	78.0	81	82	67	104	13.9	571
Congenital Malformations & Chromosomal Anomalies	53.1	51.1	65.6	156	8,285	0	28.2	1	17.5	0	96	32.2	173
Conditions Originating In Perinatal Period	74.8	74.9	74.7	129	9,654	0	0.2	0	0	0	9	1.1	129
Sudden Infant Death Syndrome	75.0	75.0	75.0	51	3,825	0	0.0	0	0	0	0	0.0	51
Accidents	32.6	31.7	36.4	1,982	64,544	0	57.0	56	60	37.5	109	26.0	2,930
Motor Vehicle Accidents	36.2	35.2	39.8	946	34,202	1	42.1	40	42	31	94	20.7	1,023
Non-Motor Vehicle Accidents	29.3	28.7	32.4	1,036	30,342	0	64.9	69	74	47	109	25.1	1,906
Suicide	31.3	30.2	41.8	1,111	34,791	11	46.9	47	49	30	99	18.7	1,208
Homicide	38.3	38.1	38.8	141	5,397	0	38.5	37	38.5	36.5	87	19.3	147
Other Causes	18.0	17.0	24.3	3,919	70,461	0	77.1	82	83	60	114	17.7	11,668

\* The mean is the arithmetic average and the median is the midpoint. The standard deviation measures the concentration of distribution around the mean.



**Table F-1**  
**Frequency of Fetal Death by Completed Weeks of Gestation and up to 124 Selected Underlying Causes**  
**Montana Residents, 2015**

Cause Of Death	All Gestational Ages	Less Than 23 Weeks	23 To 33 Weeks	34 Weeks Or More
All Causes	45	6	15	24
Certain conditions originating in the perinatal period	39	6	11	22
(#) Fetus affected by maternal conditions that may be unrelated to present pregnancy	5	0	4	1
(17) Fetus affected by maternal hypertensive disorders	1	0	1	0
(#) Fetus affected by maternal complications of pregnancy	4	1	1	2
(27) Fetus affected by premature rupture of membranes	1	1	0	0
(29) Fetus affected by polyhydramnios	1	0	0	1
(#) Fetus affected by complications of placenta, cord and membranes	9	2	2	5
(36) Fetus affected by other forms of placental separation and hemorrhage	1	0	0	1
(37) Fetus affected by other and unspecified morphological and functional abnormalities of placenta	1	0	0	1
(40) Fetus affected by other compression of umbilical cord	3	0	2	1
(#) Fetus affected by other complications of labor and delivery	3	0	0	3
(51) Fetus affected by other and unspecified complications of labor and delivery	1	0	0	1
(52#) Fetus affected by noxious influences transmitted via placenta	1	0	1	0
(#) Disorders related to short gestation and low birth weight, not elsewhere classified	2	1	1	0
(54) Extremely low birth weight or extreme immaturity	1	0	1	0
(#) Disorders related to long gestation and high birth weight	1	0	0	1
(#) Hemolytic disease of fetus	1	0	0	1
(78) Rh isoimmunization of fetus	1	0	0	1
Transitory endocrine and metabolic disorders specific to fetus	1	0	0	1
(84#) Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	1	0	0	1
Other conditions originating in the perinatal period	12	2	2	8
(88#) Fetal death of unspecified cause	11	2	1	8
(#) Congenital malformations, deformations and chromosomal abnormalities	5	0	3	2
(103) Congenital malformations of heart	1	0	1	0
(112) Congenital malformations and deformations of musculoskeletal system, limbs and integument	1	0	0	1
Other congenital malformations	1	0	0	1
Chromosomal abnormalities, not elsewhere classified	2	0	2	0
(116) Down's syndrome	1	0	1	0
(117) Edward's syndrome	1	0	1	0
All other causes	1	0	1	0

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table A-1**  
**Frequency and Percent Induced Abortions**  
**by Age of Patient and Year**  
**Montana Occurrences, 2003-2015**

Year	Age in Years																
	Total	Younger than 15		15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 and Older		Not Stated	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2015	1,603	†	‡	201	12.5%	515	32.1%	419	26.1%	269	16.7%	145	9.0%	58	3.6%	†	‡
2014	1,680	†	‡	229	13.6%	573	34.1%	437	26.0%	259	15.4%	137	8.1%	50	2.9%	†	‡
2013	1,822	10	‡	241	13.2%	609	33.4%	450	24.6%	296	16.2%	174	9.5%	62	3.4%	0	0
2012	2,011	10	‡	298	14.8%	695	34.5%	482	23.9%	296	14.7%	170	8.4%	80	3.9%	0	0
2011	2,135	6	‡	356	16.6%	730	34.1%	507	23.7%	297	13.9%	159	7.4%	92	4.3%	0	0
2010	2,138	11	‡	341	15.9%	760	35.5%	509	23.8%	291	13.6%	178	8.3%	70	3.2%	0	0
2009	2,205	8	‡	395	17.9%	736	33.3%	540	24.4%	285	12.9%	188	8.5%	70	3.1%	†	‡
2008	2,099	12	‡	395	18.8%	753	35.8%	479	22.8%	271	12.9%	160	7.6%	54	2.5%	†	‡
2007	2,222	8	‡	418	18.8%	818	36.8%	479	21.5%	261	11.7%	182	8.1%	72	3.2%	0	0
2006	2,091	13	‡	400	19.1%	773	36.9%	453	21.6%	234	11.1%	158	7.5%	87	4.1%	†	‡
2005	2,139	7	‡	467	21.8%	737	34.4%	412	19.2%	289	13.5%	170	7.9%	72	3.3%	†	‡
2004	2,236	9	‡	443	19.8%	786	35.1%	483	21.6%	250	11.1%	183	8.1%	101	4.5%	†	‡
2003	2,187	9	‡	464	21.2%	742	33.9%	471	21.5%	255	11.6%	179	8.1%	89	4.0%	†	‡

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table A-2**  
**Frequency and Percent of Induced Abortions**  
**by Completed Weeks of Gestation and Year**  
**Montana Occurrences, 2003-2015**

Year	Total	8 or Fewer Weeks		9 - 13 Weeks		14 - 15 Weeks		16 - 17 Weeks		18 - 20 Weeks		21 or More Weeks		Not Stated	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2015	1,589	1044	65.7%	407	25.6%	62	3.9%	47	2.9%	40	2.5%	8	†	†	‡
2014	1,668	1127	67.5%	405	24.2%	64	3.8%	37	2.2%	46	2.7%	9	‡	†	‡
2013	1,820	1268	69.6%	415	22.8%	73	4.0%	36	1.9%	39	2.1%	11	‡	0	0
2012	2,003	1399	69.8%	487	24.3%	68	3.3%	32	1.5%	31	1.5%	14	‡	0	0
2011	2,129	1491	70.0%	520	24.4%	61	2.8%	27	1.2%	39	1.8%	9	‡	0	0
2010	2,128	1497	70.3%	513	24.1%	57	2.6%	35	1.6%	42	1.9%	12	‡	†	‡
2009	2,201	1506	68.4%	546	24.8%	75	3.4%	46	2.0%	39	1.7%	10	‡	†	‡
2008	2,097	1344	64.0%	627	29.8%	67	3.1%	33	1.5%	40	1.9%	10	‡	†	‡
2007	2,216	1389	62.6%	669	30.1%	61	2.7%	49	2.2%	59	2.6%	†	‡	7	‡
2006	2,113	1167	55.2%	769	36.3%	88	4.1%	45	2.1%	47	2.2%	†	‡	†	‡
2005	2,153	1155	53.6%	753	34.9%	99	4.5%	62	2.8%	63	2.9%	22	1.0%	†	‡
2004	2,256	1164	51.5%	822	36.4%	86	3.8%	60	2.6%	92	4.0%	32	1.4%	0	0
2003	2,201	1186	53.8%	775	35.2%	99	4.4%	48	2.1%	72	3.2%	27	1.2%	6	‡

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table A-3**  
**Frequency and Percent of Induced Abortions**  
**by Method and Year**  
**Montana Occurrences, 2003-2015**

Year	Total	Surgical		Medical		Intrauterine Instillation		Hysterectomy / Hysterotomy		Not Stated	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2015	1,611	832	51.6%	779	48.3%	0	0	0	0	0	0
2014	1,690	822	48.6%	868	51.3%	0	0	0	0	0	0
2013	1,840	1052	57.1%	789	42.8%	†	‡	0	0	0	0
2012	2,031	1175	57.8%	856	42.1%	0	0	0	0	0	0
2011	2,145	1332	62.0%	814	37.9%	†	‡	0	0	0	0
2010	2,160	1404	65.0%	756	35.0%	0	0	0	0	0	0
2009	2,217	1455	65.6%	765	34.5%	†	‡	†	‡	0	0
2008	2,123	1519	71.5%	605	28.4%	0	0	0	0	†	‡
2007	2,238	1678	74.9%	499	22.2%	0	0	0	0	61	2.7%
2006	2,119	1887	89.0%	232	10.9%	0	0	0	0	0	0
2005	2,155	2005	93.0%	150	6.9%	0	0	0	0	0	0
2004	2,256	2137	94.7%	119	5.2%	0	0	0	0	0	0
2003	2,213	2116	95.6%	97	4.3%	0	0	0	0	0	0

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table A-4**  
**Frequency and Percent of Induced Abortions**  
**by Race and Year**  
**Montana Occurrences, 2003-2015**

Year	Total	White		AI/AN		Other		Not Stated	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
2015	1,603	1412	88.0%	132	8.2%	63	3.9%	†	‡
2014	1,658	1517	91.4%	117	7.0%	40	2.4%	16	‡
2013	1,842	1585	86.0%	151	8.1%	76	4.1%	30	1.6%
2012	2,031	1798	88.5%	148	7.2%	61	3.0%	24	1.1%
2011	2,147	1890	88.0%	145	6.7%	83	3.8%	29	1.3%
2010	2,160	1874	86.7%	174	8.0%	79	3.6%	33	1.5%
2009	2,223	1904	85.6%	187	8.4%	50	2.2%	82	3.6%
2008	2,125	1764	83.0%	167	7.8%	112	5.2%	82	3.8%
2007	2,238	1865	83.3%	156	6.9%	144	6.4%	73	3.2%
2006	2,119	1699	80.1%	172	8.1%	36	1.6%	212	10.0%
2005	2,155	1764	81.8%	245	11.3%	52	2.4%	94	4.3%
2004	2,256	1934	85.7%	214	9.4%	34	1.5%	74	3.2%
2003	2,213	1830	82.6%	220	9.9%	42	1.8%	121	5.4%

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table A-5**  
**Frequency and Percent of Induced Abortions**  
**by Number of Previous Induced Abortions and Year**  
**Montana Occurrences, 2003-2015**

Year	Number of Previous Induced Abortions										
	Total	0		1		2		3 or More		Not Stated	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2015	1,611	563	34.9%	716	44.4%	221	13.7%	111	6.8%	0	0
2014	1,690	427	25.2%	934	55.2%	220	13.0%	109	6.4%	0	0
2013	1,842	612	33.2%	831	45.1%	266	14.4%	133	7.2%	0	0
2012	2,031	810	39.8%	823	40.5%	284	13.9%	114	5.6%	0	0
2011	2,147	837	38.9%	877	40.8%	291	13.5%	142	6.6%	0	0
2010	2,160	894	41.3%	805	37.2%	307	14.2%	154	7.1%	0	0
2009	2,223	852	38.3%	891	40.0%	316	14.2%	164	7.3%	0	0
2008	2,125	754	35.4%	905	42.5%	324	15.2%	142	6.6%	0	0
2007	2,238	722	32.2%	1001	44.7%	341	15.2%	174	7.7%	0	0
2006	2,119	782	36.9%	908	42.8%	299	14.1%	130	6.1%	0	0
2005	2,151	1293	60.1%	571	26.5%	193	8.9%	96	4.4%	†	‡
2004	2,256	1407	62.3%	566	25.0%	181	8.0%	102	4.5%	0	0
2003	2,213	1431	64.6%	543	24.5%	168	7.5%	71	3.2%	0	0

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

